

# **GLOCAL COLLEGE OF NURSING & RESEARCH** **CENTRE**

## **COURSE PLAN**

### **MEDICAL SURGICAL NURSING- I**

**Placement- SECOND YEAR**

**Time- 120 hours**

#### **Course Description:-**

This course shall help students understand the concept of disease and disease process, Students shall be able to gain knowledge and develop understanding of various medical, surgical disorders and disease. They shall be able to give comprehensive nursing care to patient with these diseases.

#### **General Objective:-**

Upon completion of this course, the students shall able to:

1. Describe the cause, symptoms, treatment and prevention of Medical Surgical Diseases.
2. Demonstrate skill in carrying out nursing technique and procedures with the applicant of scientific principles.
3. Discuss nursing process and provide nursing care to patients with medical surgical/ diseases.

**Total Hours - 120**

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
I	Explain the history of modern Medicine and Surgery	<b>Introduction</b> a) Brief history of evolution of modern medicine and surgery b) Theories of illness and its causation -Illness as human experience c) Review of Nursing process and Nursing care plan.	2	Lecture cum discussion	Short answer  Objective type
II	Demonstrate skill in conducting health assessment and physical examination	<b>Nursing assessment</b> a) Health Assessment - Health history - Physical examination - Nutritional assessment - General clinical investigations	4	Lecture cum discussion  Demonstration  Simulation	Short answer  Objective type  Return demonstration

III	Describe the pathophysiological mechanism of diseases	<b>Pathophysiological mechanism of disease</b> a) Stress adaptation stressors, management, Nursing interventions b) Inflammation c) Defense against injury d) Nutritional consideration	2	Lecture cum discussion  Topic presentation	Short answer  Essay type
IV	Demonstrate skill in providing nursing care to patients with altered immune response.	<b>Altered immune response</b> a) Overview of normal immune system b) Altered immune response, hypersensitivity and allergy c) Assessment of immune system d) Diagnostic evaluation e) Allergy disorders: - Anaphylaxis - Allergic rhinitis - Contact dermatitis - Atopic dermatitis	6	Lecture cum discussion  Clinical case presentation	Short answer  Objective type  Essay type
		- Drug reactions - Food allergy - Serum sickness - Latex allergy f) Approaches to treat allergic diseases g) Nursing management client with altered immune response h) Auto immune disease - Rheumatoid arthritis - SLE - Ankylosing spondylitis Graft versus host disease			
V	Demonstrate skill in management of client with fluid and electrolyte imbalance.	<b>Fluid and electrolyte balance and Imbalance</b> a) Water contents of body, electrolyte and Acid – Base balance b) Homeostasis c) Review mechanism of regulating fluid and electrolyte movement - Fluid and electrolyte Acid-Base imbalance and its management	4	Lecture cum discussion  Demonstration	Short answer  Objective type  Essay type  Return demonstration
VI	Describe physical set up of OT and its equipments. Demonstrate skill in theatre techniques.	<b>Operation theatre technique:</b> a) Physical Environment - Operation theatre room - cleaning of tables, trolleys, lights and other equipments - Pre-operative holding areas. b) Theatre Technique - Scrubbing – Hand washing - Gowning - Gloving - Positioning of patient for various surgical procedures. - Draping of patient. c) Preparation of theatre, equipment and supplies - Cleaning - Needles, sutures – types and their uses. - Carbolization, ETO sterilization, fumigation, OT swab, Bacillocid sterilization.	8	Lecture cum discussion  Explain about the instruments  Demonstration of OT techniques – scrubbing, gowning, gloving  Positioning and draping  Visit to CSSD	Short answer  Objective type  Essay type  Return demonstration

		Packing and sterilization of dressings, linenrubber ware suture material, instruments, needlesandother materials.			
VII	Demonstrate skill in preparing the client for surgery.  Recognize and perform the role of nurse during surgery.	<b>Management of patient undergoing surgery</b> a) Pre operative preparation and care - Physical - Psychological, - Pre-medications - Legal and ethical b) Intra operative management - Surgical Team - Nursing activities and responsibilities - Anesthetic agents Role of nurse in anesthesia	8	Lecture cum discussion  Demonstrati onVideos	Short answer  Objective type  Essay type  Return demonstration
	Demonstrate skill in giving care to clients after surgery (post-operative care)	c) Post operative Management - Immediate care - Transferring patient from operation theatre - Patient in recovery room - Recovery from Anesthesia - Post operative observation and nursing management - Carryout the post operative orders. Postoperative complication observation, prevention & management.			
VIII	Demonstrate skills in the nursing management of client with impaired respiratory functionand gaseous exchange	<b>Nursing management of patient with impaired respiratory function and gaseous exchange</b> a) Assessment of respiratory function - History - Physical examination - Diagnostic evaluation b) Care of patient in respiratory intensive care and ventilator care and respiratory function c) Management of Patient with disorders of upper respiratory airway. - Obstruction of upper airway - Epistaxis - Sinusitis - Pharyngitis - Tonsillitis - Laryngitis - Deviated nasal septum d) Management of patient with disorders of the chest and lower respiratory tract e)	15	Lecture cum discussion  Demonstration of various artificial respiratory devices  Simulation  Case discussion  Videos and Films	Short answer  Objective type  Essay type  Return demonstration

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
		<b>Nursing management of patient with impaired respiratory function and gaseous exchange</b> f) Management of patient with impaired • Lung abscess <ul style="list-style-type: none"> <li>- Empyema</li> <li>- Bronchial asthma</li> <li>- COPD</li> <li>- Pneumothorax</li> <li>- Pneumonia</li> <li>- Bronchitis</li> <li>- Bronchiectasis</li> <li>- Trauma</li> <li>- Pulmonary Tuberculosis/DOTS</li> <li>- Pulmonary embolism</li> <li>- Pulmonary edema</li> <li>- Lung tumors</li> <li>- Disorders of pleura and pleural space</li> <li>- Lung surgery</li> <li>- Respiratory failure</li> <li>- Acute respiratory distress syndrome,</li> <li>- SARS</li> </ul> g) Alternate therapies h) Drugs used in treatment of disorder of respiratory system			
IX	Describe the various gastro intestinal disorders.  Demonstrate skill in providing care for clients with gastro intestinal disorders.	<b>Nursing management of patient with gastro intestinal disorders</b> a) Assessment of gastro intestinal function <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic evaluation</li> </ul> b) Management of Upper gastrointestinal disorders <ul style="list-style-type: none"> <li>- Parotitis</li> <li>- Stomatitis</li> <li>- Glossitis</li> <li>- Gingivitis</li> <li>- Pyorrhea</li> <li>- Dental caries</li> <li>- Halitosis</li> <li>- Dysphagia</li> <li>- Achalasiacardia</li> <li>- Gastro Esophageal Reflux Disease (GERD)</li> <li>- Cancer of esophagus</li> <li>- Hiatus hernia</li> <li>- Gastritis</li> <li>- Gastric and duodenal ulcers</li> <li>- Gastric cancer</li> <li>- Gastroenteritis</li> <li>- Esophageal fistula</li> <li>- Peritonitis</li> </ul> c) Care of patient with gastro intestinal intubation and special nutritional management.	18	Lecture cum discussion  Visit to endoscopy room, radiology department  Demonstration Films and Videos	Short answer  Objective type  Essay type  Return demonstration

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
		d) Management of patient with lower gastro intestinal disorders: <ul style="list-style-type: none"> <li>- Helminthiasis</li> <li>- Constipation</li> <li>- Diarrhea</li> <li>- Fecal incontinence</li> <li>- Irritable Bowel Syndrome (IBS)</li> <li>- Appendicitis</li> <li>- Diverticular disease</li> <li>- Crohn's disease</li> <li>- Ulcerative colitis</li> <li>- Intestinal obstruction</li> <li>- Colitis</li> <li>- TB abdomen</li> <li>- Colorectal cancer</li> <li>- Polyps of colon and rectum</li> <li>- Ano rectal abscess</li> <li>- Anal fistula and fissure</li> <li>- Hemorrhoids</li> </ul> e) Alternate therapies f) Drugs used in treatment of GI disorders			
X	Describe the management of patients with metabolic and endocrinal disorders. Demonstrate skills in caring for the clients with metabolic and endocrinal disorders.	<b>Nursing management of patients with metabolic and endocrinal disorders:</b> <ol style="list-style-type: none"> <li>Assessment of Hepatic and biliary functions               <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic measures</li> </ul> </li> <li>Management of patients with hepatic disorders               <ul style="list-style-type: none"> <li>- Jaundice</li> <li>- Hepatic cirrhosis</li> <li>- Portal hypertension</li> <li>- Ascites</li> <li>- Hepatic Encephalopathy and coma</li> <li>- Viral hepatitis</li> <li>- Tumors and cyst of the liver</li> <li>- Liver abscess</li> </ul> </li> <li>Management of patients with biliary disorders               <ul style="list-style-type: none"> <li>- Cholecystitis</li> <li>- Cholelithiasis</li> <li>- Choledocolithiasis</li> <li>- Acute and chronic pancreatitis</li> <li>- Cancer of pancreas</li> </ul> </li> </ol>	15	Lecture cum discussion  Charts  Simulation  Clinical teaching  Exposure to diagnostic procedures  Videos and Films	Short answer Objective type Essay type

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
		d) Assessment of Endocrinal function <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic evaluation</li> </ul> c) Management of endocrinal disorders <ul style="list-style-type: none"> <li>- Pituitary disorders</li> <li>- Thyroid disorders               <ul style="list-style-type: none"> <li>• Hyperthyroidism</li> <li>• Hypothyroidism</li> <li>• Thyroid tumors</li> <li>• Goiter</li> </ul> </li> <li>- Parathyroid disorders</li> <li>- Pancreas disorder               <ul style="list-style-type: none"> <li>• Diabetes mellitus</li> </ul> </li> <li>- Adrenal disorders               <ul style="list-style-type: none"> <li>• Pheochromocytoma</li> <li>• Addison's disease</li> <li>• Cushing's syndrome</li> </ul> </li> <li>- Tumors of the endocrine glands</li> </ul> f) Alternate therapies g) Drugs used in treatment of metabolic and Endocrine disorder			
XI	Describe the management of clients with urinary and renal disorders.  Demonstrate skill in giving care of client with urinary and renal disorders	<b>Nursing management of renal and urinary disorders</b> a) Assessment of renal and urinary functions <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic evaluation</li> </ul> b) Management of patients with renal and urinary disorders <ul style="list-style-type: none"> <li>- Urinary retention and incontinence</li> <li>- Urinary tract infection</li> <li>- Acute and chronic glomerulonephritis</li> <li>- Pyelonephritis</li> <li>- Urolithiasis</li> <li>- Renal calculi</li> <li>- Trauma of kidney, bladder, urethra, ureters</li> <li>- Urinary strictures</li> <li>- TB of urinary tract</li> <li>- Neurogenic bladder dysfunction</li> <li>- Renal cyst and renal abscess</li> <li>- Nephrotic syndrome</li> <li>- Acute and chronic Renal failure</li> <li>- Uremia</li> <li>- Acute and chronic nephrosis</li> <li>- Tumor – benign and malignant</li> <li>- Care of patient on hemodialysis and peritoneal dialysis</li> <li>- Care of patient with renal transplant</li> </ul>	14	Lecture cum discussion  Clinical teaching  Visit to Dialysis unit  Videos and Films	Short answer  Objective type  Essay type

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
	.	<ul style="list-style-type: none"> <li>- Acute and chronic glomerulonephritis</li> <li>- Pyelonephritis</li> <li>- Urolithiasis</li> <li>- Renal calculi</li> <li>- Trauma of kidney, bladder, urethra, ureters</li> <li>- Urinary strictures</li> <li>- TB of urinary tract</li> <li>- Neurogenic bladder dysfunction</li> <li>- Renal cyst and renal abscess</li> <li>- Nephrotic syndrome</li> <li>- Acute and chronic Renal failure</li> <li>- Uremia</li> <li>- Acute and chronic nephrosis</li> <li>- Tumor – benign and malignant</li> <li>- Care of patient on hemodialysis and peritoneal dialysis</li> <li>- Care of patient with renal transplant</li> </ul> <p>c) Assessment of male Genitourinary function</p> <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic evaluation</li> </ul> <p>d) Disorders of male genito urinary tract and its management</p> <ul style="list-style-type: none"> <li>- Hydrocele,</li> <li>- Phimosis</li> <li>- Benign and malignant prostatic hypertrophy</li> <li>- Orchitis</li> <li>- Epididymoorchitis</li> <li>- Cancer penis</li> </ul> <p>e) Alternate therapies</p> <p>f) Drugs used in treatment of renal and Urinary disorders</p>			
XII	Describe the nursing management of clients with Neurological disorders	<p><b>Nursing management of patients with neurological disorders:</b></p> <p>a) Assessment Neurological functions</p> <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic evaluation</li> </ul> <p>b) Management of patients with neurologic dysfunctions</p> <ul style="list-style-type: none"> <li>- Altered level of consciousness</li> <li>- Increased Intracranial pressure</li> <li>- Intracranial surgery</li> </ul> <p>c) Management of patients with neurological disorders</p> <ul style="list-style-type: none"> <li>- Headache</li> <li>- Migraine</li> <li>- Seizures</li> <li>- Epilepsy</li> <li>- Status epileptics</li> <li>- Cerebrovascular disorder – CVA</li> <li>- Neurological trauma – Head, brain, spinal cord, subdural and extradural hematoma</li> <li>- Neurologic infection <ul style="list-style-type: none"> <li>• Meningitis</li> </ul> </li> </ul>	20	<p>Lecture cum discussion</p> <p>Clinical teaching</p> <p>Demonstration of reflexes and use of Glasgow coma scale</p> <p>Simulation</p> <p>Videos and Films</p> <p>Charts</p>	<p>Short answer</p> <p>Objective type</p> <p>Essay type</p> <p>Return demonstration</p>

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
	Demonstrate skill in giving nursing care to clients with Neurological disorders	<ul style="list-style-type: none"> <li>• Brain abscess</li> <li>• Encephalitis</li> <li>- Degenerative disorders</li> <li>• Multiple sclerosis</li> <li>• Myasthenia gravis</li> <li>• Guillain – Barre syndrome</li> <li>• Parkinsonism</li> <li>• Alzheimer disease</li> <li>- Neuralgia</li> <li>- Bell’s Palsy</li> <li>- Peripheral neuropathies</li> <li>- Brain and spinal cord tumors</li> <li>- Huntington’s disease</li> <li>- Muscular Dystrophies</li> <li>- Herniation of the intervertebral disc</li> <li>d) Alternate therapies</li> <li>e) Drugs used in treatment of neurological disorders</li> </ul>			
XIII	<p>Describe the management of clients with connective tissue and collagen disorders</p> <p>Demonstrate skill in providing nursing care to clients with connective tissue and collagen disorders</p>	<p><b>Nursing Management of Patients with Connective Tissue and Collagen Disorders</b></p> <p>a) Assessment</p> <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic measures</li> </ul> <p>b) Management of patients with disorders of connective tissue and collagen disorders</p> <ul style="list-style-type: none"> <li>- Rheumatoid arthritis</li> <li>- Systemic lupus Erythematosus (SLE)</li> <li>- Scleroderma</li> <li>- Polymyositis</li> <li>- Osteoarthritis</li> <li>- Ankylosing Spondylitis</li> <li>- Gout</li> <li>- Fibromyalgia</li> </ul> <p>c) Alternate therapies</p> <p>d) Drugs used in treatment of connective tissue and collagen disorders</p>	8	<p>Lecture cum discussion</p> <p>Clinical teaching</p>	<p>Short answer</p> <p>Objective type</p> <p>Essay type</p>
XIV	<p>Describe the nurse’s role in promoting wellness for elderly.</p> <p>Demonstrate skill in providing nursing care for elderly clients.</p>	<p><b>Nursing management of the elderly</b></p> <p>a) Assessment of the elderly</p> <ul style="list-style-type: none"> <li>- Ageing process</li> <li>- Helping and care of elderly in promoting wellness and self care</li> </ul> <p>b) Conditions associated with ageing</p> <ul style="list-style-type: none"> <li>- Dementia</li> <li>- Osteoporosis</li> <li>- Incontinence – urinary</li> <li>- Sensory deprivation</li> </ul> <p>c) Home and Institutional care</p>	6	<p>Lecture cum discussion</p> <p>Visit to old age home</p> <p>Videos</p>	<p>Short answer</p> <p>Objective type</p>



## MEDICAL SURGICAL NURSING- II

**Placement- SECOND YEAR**

**Time- 120 hours**

### **Course Description: -**

This course shall help students understand the concept of disease and disease process, Students shall be able to gain knowledge and develop understanding of various medical surgical specialty disorders and disease. They shall be able to give comprehensive nursing care to patient with these diseases.

### **General Objective: -**

Upon completion of this course, the students shall able to:

1. Describe the cause, symptoms, signs, treatment and prevention of diseases classified under medical Surgical Specialties.
2. Demonstrate skill in carrying out nursing technique and procedures with the applicant of scientific principles.
3. Prepare nursing care plan using nursing process and apply it in provide care to patient with these diseases.

**Total Hours - 120**

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
I	Describe the management of patients with oncology	<b>Oncology Nursing:</b> a) Nursing management of patients with oncological conditions <ul style="list-style-type: none"> <li>- Structure &amp; characteristics of normal &amp; cancer cells</li> <li>- Nursing Assessment-History and Physical assessment</li> <li>- Prevention, Screening, Early detection, Warning signs of cancer</li> <li>- Epidemiology, Etiology, Classification, Pathophysiology, staging, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of oncological conditions</li> <li>- Common malignancies of various body systems: Oral, larynx, lung, stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc</li> </ul> b) Oncological emergencies c) Modalities of treatment <ul style="list-style-type: none"> <li>- Immunotherapy</li> </ul>	15	Lecture cum discussion  Explain using charts, graphs models, films, and slides  Case discussion  Seminar	Short answers  Objective type  Essay type

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		<ul style="list-style-type: none"> <li>- Radiotherapy</li> <li>- Surgical Interventions</li> <li>- Stem cell and Bonemarrow transplants</li> <li>- Gene therapy</li> <li>- Other forms of treatment</li> </ul> d) Psychosocial aspects of cancer e) Rehabilitation f) Palliative care: symptom and pain management, Nutritional support g) Home care h) Hospice care i) Stomal Therapy j) Special therapies k) Psycho social aspects l) Nursing procedures m) Alternate therapies n) Drugs used in treatment of oncological disorders		Drug book  Lecture cum discussion  Topic presentation  Posting to cancer Hospital/unit  Structured discussion  Seminar	Assessment of skills with check list
II	Describe the disorders of breast and breast cancer.  Demonstrate skill in giving nursing care to patients with breast disorders	<b>Nursing Management of patients with disorders of Breast</b> a) Assessment of breast <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic tests</li> <li>- Breast self examination</li> </ul> b) Disorders of breast <ul style="list-style-type: none"> <li>- Mastitis</li> <li>- Breast abscess</li> <li>- Gynaecomastia</li> <li>- Tumors and Malignancy of breast</li> </ul> c) Nursing management of a patient after mastectomy.	5	Lecture cum discussion  Models and exhibits	Short answer  Objective type  Essay
III	Describe the various diseases and disorders of integumentary system and their management.  Demonstrate skill in providing care to the clients with disorders of integumentary system	<b>Nursing Management of patient with diseases and disorders of integumentary system</b> a) Nursing Assessment <ul style="list-style-type: none"> <li>- History</li> <li>- Physical assessment</li> </ul> b) Etiology c) Pathophysiology d) Clinical manifestations e) Nursing management of disorders of skin and its appendages <ul style="list-style-type: none"> <li>- Lesions and abrasions</li> <li>- Infection and infestations Dermatitis</li> <li>- Dermatoses; infectious and Non infectious</li> <li>- Inflammatory dermatoses</li> <li>- Acne Vulgaris</li> </ul>	5	Lecture cum discussion  Explain using Charts, graphs models, films, slides	Essay type  Short answers  Object type  Assessment of skills with check list

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		<ul style="list-style-type: none"> <li>- Allergies and Eczema</li> <li>- Psoriasis</li> <li>- Malignant Melanoma</li> <li>- Alopecia</li> <li>- Infestations</li> <li>- Bacterial infections</li> <li>- Pyoderma</li> <li>- Impetigo</li> <li>- Folliculitis</li> <li>- Furuncles</li> <li>- Carbuncles</li> <li>- Viral infections</li> <li>- Herpes zoster</li> <li>- Herpes simplex</li> <li>- Fungal infection</li> <li>- Athlete's foot (Tanta Pedi's)</li> <li>- Parasitic infestation</li> <li>- Pediculosis</li> <li>- Scabies</li> <li>- Pemphigus</li> <li>- Stevens - Johnson syndrome</li> <li>- Skin cancer</li> <li>- Special dermatological therapies</li> </ul> <p>f) Burn and its management</p> <ul style="list-style-type: none"> <li>- Burns Plastic Surgery</li> <li>- Incidence, causes of burns</li> <li>- Types &amp; classification of burns</li> <li>- Pathophysiology</li> <li>- Calculation of the percentage</li> <li>- Local &amp; systematic effects of burns</li> <li>- Immediate care</li> <li>- First aid care</li> <li>- Medical Management, barrier nursing care of the burns</li> <li>- Complications, Health education</li> </ul> <p>g) Plastic Surgery</p> <ul style="list-style-type: none"> <li>- Define plastic &amp; reconstructive surgery</li> <li>- Types</li> <li>- Define skin graft flaps</li> <li>- Possible complication</li> <li>- Preparation of patient for constructive surgery</li> <li>- Post operative care</li> <li>- Health Education</li> </ul> <p>h) Alternate therapies</p> <p>i) Drugs used in treatment of integumentary disorders</p>			

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
IV	Describe the disorder and diseases of eye  Demonstrate skill in giving care for patients with various eye diseases and disorders.	<b>Ophthalmology And Ophthalmic Nursing</b> a) Review of anatomy and physiology of eye b) Assessment of function of eyes. <ul style="list-style-type: none"> <li>- History</li> <li>- Physical exam</li> <li>- Diagnostic tests-tonometry, Snellen's chart</li> </ul> c) Infections and Inflammations conditions <ul style="list-style-type: none"> <li>- Blepharitis</li> <li>- Styte</li> <li>- Chalazion</li> <li>- Entropion</li> <li>- Ectopion</li> <li>- Dacrocystitis</li> <li>- Conjunctivitis</li> <li>- Trachoma</li> <li>- Pterydium</li> <li>- Keratitis</li> <li>- Corneal ulcer</li> </ul> d) Degenerative Conditions <ul style="list-style-type: none"> <li>- Cataract</li> <li>- Retinopathy</li> <li>- Retinal detachment</li> </ul> e) Miscellaneous <ul style="list-style-type: none"> <li>- Strabismus</li> <li>- Refractive errors</li> <li>- Tumors</li> <li>- Color blindness</li> <li>- Nigh Blindness</li> <li>- Total blindness</li> </ul> f) Preventive and Rehabilitative aspects g) National programs on Blindness and trachoma h) Current trends in Management of Ophthalmic conditions <ul style="list-style-type: none"> <li>- Hospital corneal retrieval</li> <li>- Grief counseling.</li> <li>- Eye Collection</li> <li>- Counselling</li> <li>- Obtaining consent for eye donation</li> </ul> i) Eye banking in India j) Ocular Emergencies <ul style="list-style-type: none"> <li>- Glaucoma</li> <li>- Foreign body</li> <li>- Acid / Alkali burns</li> <li>- Trauma to the eye</li> </ul> k) Eye Immigration l) Instillation of eye drops and ointment m) Cold and hot compress n) Eye dressing and bandage o) Assisting for sac syringing p) Assisting for removal of foreign body q) Alternate therapies r) Drugs used in treatment of eye disorders	10	Lecture cum discussion  Visit school for the blind  Visit to eye bank  Visit National Association for the blind  Eye bank Demonstration	Short answer  Objective type  Essay  Return demonstration

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
V	<p>Describe disorders and diseases of ear, nose and throat.</p> <p>Demonstrate skills in Providing nursing care for patients with various ENT problems.</p>	<p><b>Nursing Management of Patient with Disorders and Diseases of Ear, Nose and Throat</b></p> <p><b>Ear</b></p> <p>a) Review of Anatomy and physiology of Ear</p> <p>b) Assessment of function of ear</p> <ul style="list-style-type: none"> <li>- History</li> <li>- Ear examination</li> <li>- Diagnostic tests</li> </ul> <p>c) Diseases and disorders of the ear</p> <p><b><i>External ear</i></b></p> <ul style="list-style-type: none"> <li>- Otitis</li> <li>- Foreign body</li> <li>- Impacted cerement</li> <li>- Furunculosis</li> </ul> <p><b><i>Middle ear</i></b></p> <ul style="list-style-type: none"> <li>- Otitis media</li> <li>- Mastoiditis</li> <li>- Perforation of ear drum</li> </ul> <p><b><i>Internal ear</i></b></p> <ul style="list-style-type: none"> <li>- Presycusis</li> <li>- Labryinthitis</li> <li>- Meniere's disease</li> <li>- Otosclerosis</li> </ul> <p><b><i>Deafness</i></b></p> <ul style="list-style-type: none"> <li>- Conductive deafness</li> <li>- Neural deafness</li> </ul> <p><b><i>Tumors of the ear and auditory nerve</i></b></p> <p><b><i>Insufflations of Eustachian tube</i></b></p> <p><b>Nose</b></p> <p>a) Review of Anatomy and physiology of nose</p> <p>b) Assessment of functions of nose</p> <ul style="list-style-type: none"> <li>- History</li> <li>- Examination of nose</li> <li>- Diagnostic tests</li> </ul> <p>c) Diseases and disorders of nose</p> <p><b><i>Infections</i></b></p> <ul style="list-style-type: none"> <li>- Rhinitis</li> <li>- Sinusitis</li> <li>- Obstruction</li> <li>- Polyps</li> </ul> <p><b><i>Foreign body</i></b></p> <p><b><i>Deviated nasal septum</i></b></p> <p><b><i>Trauma – fracture of nasal bone and epitaxies</i></b></p> <p><b>Throat</b></p> <p>a) Review of Anatomy and physiology of Throat</p>	15	<p>Lecture cum discussion</p> <p>Clinical teaching</p> <p>Demonstration</p> <p>Videos, charts</p>	<p>Short answer</p> <p>Objective type</p> <p>Essay</p> <p>Return demonstration</p>

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		b) Assessment of the function of throat <ul style="list-style-type: none"> <li>- History</li> <li>- Examination of throat</li> <li>- Diagnostic tests</li> </ul> c) Diseases and disorders of throat infections and inflammation <ul style="list-style-type: none"> <li>- Tonsillitis</li> <li>- Pharyngitis</li> <li>- Adenoiditis</li> <li>- Laryngitis</li> <li>- Tumors</li> <li>- Injury and foreign body</li> <li>- Alternate therapies</li> <li>- Drugs used in treatment of ENT disorders</li> </ul>			
VI	Describe cardiovascular circulatory and Hematological disorders and diseases.  Demonstrates skill in carrying nursing interventions for clients with circulatory and hematological disorders and diseases.	<b>Nursing Management of Patient with cardio vascular, circulatory and Hematological disorders</b>  <b>Cardio Vascular</b> a) Review of anatomy and physiology of heart and circulatory system b) Assessment of functions of heart and vascular system <ul style="list-style-type: none"> <li>- History</li> <li>- Physical exam</li> <li>- Diagnostic tests</li> </ul> c) Diseases and disorders of cardio vascular system <ul style="list-style-type: none"> <li>- Coronary Artery disease               <ul style="list-style-type: none"> <li>• Angina pectoris</li> <li>• Coronary atherosclerosis</li> <li>• Myocardial infarction</li> </ul> </li> <li>- Valvular heart disease               <ul style="list-style-type: none"> <li>• Mitral stenosis</li> <li>• Aortic stenosis,</li> <li>• Incompetence, regurgitation</li> <li>• Tricuspid stenosis</li> <li>• Pulmonary stenosis</li> </ul> </li> <li>- Inflammation and infections               <ul style="list-style-type: none"> <li>• Pericarditis, Myocarditis, Endocarditis</li> <li>• Rheumatic fever</li> </ul> </li> <li>- Heart block</li> <li>- Complication of heart disease               <ul style="list-style-type: none"> <li>• Acute Heart failure (Pulmonary Edema)</li> <li>• Chronic (Congestive Cardiac failure)</li> <li>• Cardiogenic shock</li> </ul> </li> </ul>			

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		<ul style="list-style-type: none"> <li>• Pericardial effusion, cardiac tamponade</li> <li>- Cardiac emergencies               <ul style="list-style-type: none"> <li>• Cardiac arrest</li> <li>• Shock</li> </ul> </li> <li>- Vascular disorders               <ul style="list-style-type: none"> <li>• Arterial disorders</li> <li>• Berger's disease (TAO),</li> <li>• Arterial ulcers,</li> <li>• Arteriosclerosis,</li> <li>• Aneurysm,</li> <li>• Thrombosis and emboli,</li> <li>• Raynaud's disease</li> <li>• Hypertension</li> </ul> </li> <li>- Venous disorder               <ul style="list-style-type: none"> <li>• Deep Vein Thrombosis (DVT)</li> <li>• Venous insufficiency</li> <li>• Venous ulcer</li> <li>• Varicose vein</li> <li>• Cellulitis</li> <li>• Lymphatic disorders</li> <li>• Lymphangitis &amp; Lymphadenitis</li> <li>• Lymphedema &amp; elephantiasis</li> </ul> </li> </ul> <p><b>Hematological disorders</b></p> <p>a) Review of function and structure of blood components</p> <ul style="list-style-type: none"> <li>- Assessment</li> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic tests</li> </ul> <p>b) Diseases and disorders of blood and its components</p> <ul style="list-style-type: none"> <li>- Anemia</li> <li>- Thalassemia</li> <li>- Polycythemia</li> <li>- Leukopenia and neutropenia</li> <li>- Leukocytosis &amp; leukemia</li> <li>- Lymphomas Hodgkin &amp; Non Hodgkin diseases, Multiple myeloma</li> <li>- Bleeding disorders</li> <li>- Thrombocytopenia,</li> <li>- Purpura, hemophilia</li> <li>- Acquired coagulation</li> <li>- Disorders – Liver disease, Vitamin K deficiency, DIC</li> </ul> <p>c) Alternate therapies</p> <p>d) Drugs used in treatment of cardiovascular circulatory and hematology disorders</p>	28	Lecture cum discussion  Demonstration  Clinical teaching  Videos,  Simulation	Short answer  Objective type  Essay type  Return demonstration

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
VII	<p>Describe the nursing management of patients with communicable diseases.</p> <p>Demonstrate skill in providing interventions for patients with communicable diseases.</p> <p>the nurse's role in various national control/ Eradication Programme of communicable diseases.</p>	<p><b>Nursing Management of Patients with communicable diseases</b></p> <p>a) Assessment</p> <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic tests</li> </ul> <p>b) Review of infection, mode of transmission, its prevention and control</p> <p>c) Preparation, care and administration of anti sera and vaccines Isolation,</p> <p>d) Management of various infection diseases <b><i>caused by Virus;</i></b></p> <ul style="list-style-type: none"> <li>- Measles</li> <li>- Chicken pox</li> <li>- Swine flu</li> <li>- Ebola</li> <li>- Dengue</li> <li>- Chicken guinea</li> <li>- Influenza</li> <li>- Mumps</li> <li>- Encephalitis</li> <li>- Infective hepatitis</li> <li>- Poliomyelitis</li> <li>- Rabies</li> <li>- AIDS</li> </ul> <p><b><i>Caused by Bacteria;</i></b></p> <ul style="list-style-type: none"> <li>- Diphtheria</li> <li>- Whooping cough</li> <li>- Tetanus</li> <li>- Typhoid</li> <li>- Dysentery</li> <li>- Gastroenteritis</li> <li>- Cholera</li> <li>- Meningococcal Meningitis</li> <li>- Tuberculosis</li> <li>- Plague</li> <li>- Leptospirosis</li> </ul> <p><b><i>Vector borne diseases;</i></b></p> <ul style="list-style-type: none"> <li>- Malaria</li> <li>- Filariasis</li> <li>- Yellow fever</li> <li>- Dengue</li> <li>- Any other prevailing diseases</li> </ul> <p>e) Alternate therapies</p> <p>f) Drugs used in treatment of communicable disorders</p>	10	<p>Lecture cum discussion</p> <p>Role play</p> <p>Participate in immunization campaign</p>	<p>Short answer</p> <p>Objective type</p> <p>Essay type</p> <p>Assesment with clinical checklist</p>



Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
VIII	Describe various sexually transmitted diseases.  Demonstrates skills in syndromic management of sexually transmitted diseases.	<b>Nursing Management of Patients with Sexually Transmitted diseases</b> a) Assessment <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic tests</li> </ul> b) Sex health and hygiene c) Syndromic Management of sexually transmitted disease <ul style="list-style-type: none"> <li>- Gonorrhea</li> <li>- Syphilis</li> <li>- Granuloma Venerium</li> <li>- Chancroid granuloma</li> <li>- AIDS</li> <li>- Genital herpes</li> </ul>	05	Lecture cum discussion  Video	Short answer  Objective type  Essay type
IX	Describe various musculo skeletal disorders and diseases.  Demonstrate skills in management of musculo skeletal diseases.	<b>Nursing Management of Patients with musculo skeletal disorders and diseases</b> a) Review of Anatomy and Physiology of musculo skeletal system b) Assessment <ul style="list-style-type: none"> <li>- History</li> <li>- Physical examination</li> <li>- Diagnostic tests</li> </ul> c) Infections and inflammations <ul style="list-style-type: none"> <li>- Septic arthritis</li> <li>- Gonococcal arthritis</li> <li>- Osteomyelitis</li> <li>- Tuberculosis of the spine and bones</li> <li>- Sprains</li> <li>- Dislocations</li> <li>- Fracture of spine and extremities</li> </ul> d) Degenerative conditions of joints, spine e) Tumors, Amputation and prosthesis f) Deformities - Congenital and acquired g) Range of motion exercises h) Care of patient: <ul style="list-style-type: none"> <li>- Skin and skeletal traction</li> <li>- Orthopedic splints</li> </ul> i) POP application and removal j) Neurogenic bladder k) Preparation for bone surgery  l) Use of orthopedic assist devices <ul style="list-style-type: none"> <li>- Crutches</li> <li>- Canes</li> <li>- Walker</li> </ul> m) Alternate therapies n) Drugs used in treatment of musculo-skeletal disorders disorders	10	Lecture cum discussion  Clinical teaching  Demonstration	Short answer  Objective type  Essay type

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
X	Describe the role of nurse in medical surgical emergencies  Demonstrate skill in meeting medical surgical emergencies.	<b>Emergency Management</b> a) Scope and practice of emergency nursing <ul style="list-style-type: none"> <li>- Principles of emergency care</li> <li>- Triage</li> </ul> b) Medical Surgical Emergencies c) Airways obstruction <ul style="list-style-type: none"> <li>- Hemorrhage</li> <li>- Shock, Anaphylactic reaction, Allergies</li> <li>- Trauma – intra abdominal, crush injuries, multiple injuries fractures</li> <li>- Poisoning</li> <li>- Ingested poisoning</li> <li>- Inhaled poisoning</li> <li>- Food poisoning</li> <li>- Injected poisons – Stinging insects</li> <li>- Snake bites</li> <li>- Chemical burns</li> <li>- Environmental emergencies:</li> <li>- Heat stroke</li> <li>- Frost bite.</li> <li>- Near drowning</li> <li>- Hanging</li> </ul>	10	Lecture cum discussion  Demonstration Preparing emergency trolley -  Demonstration of CPR -  Defibrillation  Videos & Films  Simulation  Roleplay	Short answer  Objective type  Essay type  Return demonstration
XI	Identify the role of nurses in emergency and disasters.  Demonstrate beginning skill in managing the Emergencies and disasters.	<b>Emergency and Disaster Nursing</b> a) Natural calamities <ul style="list-style-type: none"> <li>- Flood</li> <li>- Earthquake</li> <li>- Volcanic eruptions</li> </ul> b) Man-made disaster <ul style="list-style-type: none"> <li>- Explosion</li> <li>- War</li> <li>- Fire</li> <li>- Accidents</li> </ul> c) Emergency preparedness d) Community resources available to meet calamities e) Nurses role in disaster management	05	Lecture cum discussion  Role play  Mock drill INC: Disaster management module:  Reaching out: nursing care	Short answer  Objective type  Essay type

## MEDICAL SURGICAL NURSING- PRACTICAL

**Placement- SECOND YEAR**

**Time: 800 hours (20 weeks)**

### **General objectives:**

Students are able to apply nursing process and provide comprehensive nursing care to the clients with various medical and surgical conditions

### **Specific objectives; students are able to;**

1. Comprehend the causes, signs and symptoms, treatment and prevention of various medical, surgical conditions.
2. Apply the theoretical knowledge to appropriate clinical nursing practice.
3. Identify the problems and needs, prioritize them and provide comprehensive nursing care by applying nursing process
4. Demonstrate skills in carrying out nursing techniques, procedures in keeping with scientific principles.
5. Demonstrate skills in respective clinical specialty.
6. Interpret and carry out the pharmacological intervention,
7. Identify the deviation from normal in the diagnostic value.
8. Plan and participate in rehabilitation of patient and family.

Area	Duration	Objectives	Skills	Assignment	Assessment methods
General medical wards (resp.,GI, Endo., hemato, neuro, renal)	3 wks	<ul style="list-style-type: none"> <li>• Provide nursing care to adult patients with medical disorders</li> </ul>	<ul style="list-style-type: none"> <li>- Assessment of patient                             <ul style="list-style-type: none"> <li>• Take history</li> <li>• Perform general &amp; specific physical examination</li> </ul> </li> <li>• Identify alterations and deviations</li> <li>- Practice medical-surgical asepsis-standard safety measures.</li> <li>- Administer medications                             <ul style="list-style-type: none"> <li>• Oral</li> <li>• Sub-lingual</li> <li>• Intra-dermal</li> <li>• Subcutaneous</li> <li>• Intramuscular</li> <li>• Intravenous</li> </ul> </li> <li>- Intravenous therapy                             <ul style="list-style-type: none"> <li>• IV canulation</li> <li>• Maintenance &amp; monitoring</li> </ul> </li> <li>- Oxygen therapy-mask, prongs &amp; tent</li> </ul>	Plan & implement care for assigned patients <ul style="list-style-type: none"> <li>• Nursing care plan 1</li> <li>• Nursing case study-1 or presentation-1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with check list</li> </ul>

Area	Duration	Objectives	Skills	Assignment	Assessment methods
		<ul style="list-style-type: none"> <li>• Counsel and educate patients and family</li> </ul>	<ul style="list-style-type: none"> <li>- Nebulization</li> <li>- Chest physiotherapy</li> <li>- Naso-gastric feeding</li> <li>- Assist in common diagnostic procedures</li> <li>- Perform/assist in therapeutic procedures</li> <li>- Transfusion of Blood &amp; its components</li> <li>- Throat suctioning</li> <li>- ET suctioning</li> <li>- Collect specimens for common investigations</li> <li>- Maintain elimination</li> <li>• Catheterization</li> <li>- Educate &amp; counsel patient &amp; family regarding specific disease conditions.</li> </ul>	<ul style="list-style-type: none"> <li>• Drug study presentation-1</li> <li>• Maintain drug book</li> <li>• Maintain practical record book</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation of case study presentation</li> <li>• Completion of practical record</li> </ul>
General surgical wards (GI and Urinary)	3 weeks	<ul style="list-style-type: none"> <li>• Provide pre &amp; post-operative nursing care to adult patients with surgical disorders</li> <li>• Educate &amp; counsel patients and families</li> </ul>	<ul style="list-style-type: none"> <li>- Practice medical-surgical asepsis-standard safety.</li> <li>- Pre-operative preparation of patient</li> <li>- Post-operative care</li> <li>• Receiving</li> <li>• Assessment</li> <li>• Monitoring</li> <li>- Care of wounds and drainage</li> <li>- Suture removal</li> <li>- Ambulation &amp; exercises</li> <li>- Naso-gastric aspiration</li> <li>- Care of chest drainage</li> <li>- Ostomy care</li> <li>• Gastrostomy</li> <li>• Enterostomy</li> <li>• Colostomy</li> <li>- Transfusion of Blood &amp; its components</li> <li>- practice universal precautions</li> </ul>	Plan & implement care for assigned patients <ul style="list-style-type: none"> <li>• Nursing care plan 1</li> <li>• Nursing case study-1 or presentation-1</li> <li>• Drug study presentation-1</li> <li>• Maintain drug book</li> <li>• Maintain practical record book</li> </ul>	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with check list</li> <li>• Evaluation of case study presentation</li> <li>• Completion of practical record</li> </ul>
Operation theater	3 weeks	<ul style="list-style-type: none"> <li>• Identify instruments used in different operations</li> </ul>	Perform scrubbing, gowning, gloving <ul style="list-style-type: none"> <li>- Identify instruments, suturing materials for common operations.</li> </ul> Disinfection, carbolization sterilization & fumigation	<ul style="list-style-type: none"> <li>- Assist as a scrub nurse for 5 major and 5 minor cases.</li> </ul>	Assess skill with check list

Area	Duration	Objectives	Skills	Assignment	Assessment methods
		<ul style="list-style-type: none"> <li>• Set-up the table/ trolleys for common operative procedures</li> <li>• Assist in the operative procedures</li> <li>• Provide peri-operative nursing care</li> </ul>	<ul style="list-style-type: none"> <li>- Prepare the OT table depending upon the operation</li> <li>- Positioning and monitoring of patient</li> <li>- Assisting with minor &amp; major operations</li> <li>- Handling specimens</li> <li>- Segregation and disposal of biomedical waste as per guidelines</li> </ul>		
ICU	1 week	<ul style="list-style-type: none"> <li>• Gain proficiency in ICU nursing</li> <li>• Identify potential problem and provide care accordingly</li> <li>• Record findings and medications accurately</li> <li>• Develop good IPR with patient &amp; family.</li> </ul>	<ul style="list-style-type: none"> <li>- Connect and monitor ECG &amp; pulse oxymetry</li> <li>- Assist in endo-tracheal intubation</li> <li>- Suctioning -provide care for a patient on ventilator</li> <li>- Handling emergency drug trolley / crash cart.</li> <li>- Assisting in insertion of central line and monitoring Central venous pressure.</li> </ul>	<ul style="list-style-type: none"> <li>- ET suctioning</li> <li>- O2 administration</li> </ul>	Assess skill with check list
Geriatric nursing – medical / surgical / special ward	1 week	<ul style="list-style-type: none"> <li>• Identify specific problems related to the elderly</li> <li>• Assist in the activities of daily living</li> <li>• Provide comprehensive nursing care</li> </ul>	<ul style="list-style-type: none"> <li>- Assessment of the geriatric</li> <li>- Identify the health problems among the elderly (psychological, social and spiritual needs of the elderly) and provide specific care</li> <li>- Health promotion of the elderly</li> </ul>	Health teaching - 1	Assess skill with check list
Oncology Unit	1 week	<ul style="list-style-type: none"> <li>• Provide care for patients with cancer.</li> </ul>	<ul style="list-style-type: none"> <li>- Screen for common cancers –Tumor Node Metastasis (TNM) classification.</li> <li>- Assist with diagnostic procedures. <ul style="list-style-type: none"> <li>• Biopsies.</li> <li>• Pap smear</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to assigned patients.</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each Skill with checklist.</li> <li>• Assess performance with rating scale.</li> </ul>

Area	Duration	Objectives	Skills	Assignment	Assessment methods
		<ul style="list-style-type: none"> <li>• Counsel and educate patient and families.</li> </ul>	<ul style="list-style-type: none"> <li>• Bone-marrow aspiration.</li> <li>- Assist with therapeutic procedures.</li> <li>- Observe various modalities of treatment.</li> <li>• Chemotherapy</li> <li>• Radiotherapy</li> <li>• Pain management</li> <li>• Stoma care</li> <li>• Hormonal therapy</li> <li>• Immunotherapy</li> <li>• Gene therapy</li> <li>• Alternative therapy</li> <li>- Participate in palliative care.</li> <li>- Counsel and teach patients families.</li> </ul>	<ul style="list-style-type: none"> <li>• Observation report of cancer unit</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation of care plan and observation report.</li> <li>• Completion of activity record.</li> </ul>
Dermatology and burns	1 week	<ul style="list-style-type: none"> <li>• Provide care to patients with dermatology disorder and Burn.</li> <li>• Counsel and educate patient and families.</li> </ul>	<ul style="list-style-type: none"> <li>- Assessment of the burn patient.</li> <li>• Percentage of burns.</li> <li>• Degree of burns.</li> <li>• Dressing</li> <li>- Fluid &amp; electrolyte replacement therapy</li> <li>• Assess</li> <li>• Calculate</li> <li>• Replace</li> <li>• Record</li> <li>• Intake/output</li> <li>- Assessment and care of patients with dermatological disorders.</li> <li>- Administer topical medications</li> <li>• Give medicated Baths</li> <li>- Perform active &amp; passive exercises.</li> <li>- Practice medical &amp; surgical asepsis.</li> <li>- Counsel &amp; Teach patients and families</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to assigned patients.</li> <li>• Health talk - 1</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist.</li> <li>• Assess performance with rating scale.</li> </ul>
Ophthalmology	1 week	<ul style="list-style-type: none"> <li>• Provide care to patients with Eye disorders.</li> <li>• Counsel and educate patient and families.</li> </ul>	<ul style="list-style-type: none"> <li>- Perform examination of eye.</li> <li>- Assist with diagnostic procedures.</li> <li>- Assist with therapeutic procedures.</li> <li>- Perform/assist with irrigations.</li> <li>- Apply eye bandage.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to 2-3 assigned patients assessment using snellen's chart</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each skill with checklist</li> <li>Assess performance with rating scale.</li> </ul>

Area	Duration	Objectives	Skills	Assignment	Assessment methods
			<ul style="list-style-type: none"> <li>- Apply eye drops/ointments.</li> <li>- Teach patients and families.</li> </ul>	<ul style="list-style-type: none"> <li>• Observation reports of OPD &amp; Eye bank.</li> <li>• Assist in organizing eye camp</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation of observation report of OPD/Eye bank.</li> </ul>
ENT	1 week	<ul style="list-style-type: none"> <li>• Provide care to patients with ENT disorders</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>- Perform examination of ear, nose and throat.</li> <li>- Assist with therapeutic procedures.</li> <li>- Instillation of drops.</li> <li>- Perform/assist with irrigations.</li> <li>- Apply ear bandage.</li> <li>- Perform tracheostomy care.</li> <li>- Health education to patients and families.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide care to assigned patients.</li> </ul>	<ul style="list-style-type: none"> <li>• Assess each Skill with checklist.</li> </ul>
Cardiology ward / ICCU / cardiothoracic and vascular unit	2 weeks	<ul style="list-style-type: none"> <li>• Provide care of patients with cardiac and vascular disorders</li> <li>• Counsel and educate patients and families</li> </ul>	<ul style="list-style-type: none"> <li>- Perform cardio vascular assessment</li> <li>- Recording ECG and identify basic changes in ECG</li> <li>- Monitoring of patients in on cardiac monitor</li> <li>- Preparing and assisting of frequently performed diagnostic and therapeutic, non –invasive and invasive procedures</li> <li>- Administer cardiac drugs</li> <li>- Advanced / Basic Cardiac Life Support (ACLS/BLS)</li> <li>- Monitoring and caring for patients with chest drainage</li> <li>- Assist in defibrillation</li> <li>- Monitoring of patients in ICU.</li> <li>- Maintain flow sheet.</li> <li>- Perform Endotracheal suction.</li> <li>- Demonstrates use of ventilators, cardiac monitors etc.</li> <li>- Physical examination</li> <li>- Collect specimens and interprets ABG analysis.</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and give care to patients</li> <li>• Health talk – 1</li> <li>• Case presentation – 1</li> </ul>	<ul style="list-style-type: none"> <li>Assessment of performance with rating scale</li> </ul>

Area	Duration	Objectives	Skills	Assignment	Assessment methods
			<ul style="list-style-type: none"> <li>- Assist with arterial puncture.</li> <li>- Maintain CVP line.</li> <li>- Pulse oximetry.</li> <li>- CPR – ALS</li> <li>- Defibrillators.</li> <li>- Bag- mask ventilation.</li> <li>- Emergency tray/trolley – Crash Cart.</li> <li>- Administration of drugs               <ul style="list-style-type: none"> <li>• Infusion pump.</li> <li>• Epidural.</li> <li>• Intra thecal</li> <li>• Intracardiac</li> </ul> </li> <li>- Total parenteral therapy</li> <li>- Chest physiotherapy.</li> <li>- Perform active &amp; passive exercises</li> </ul>	<ul style="list-style-type: none"> <li>• Drug presentation - 1</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation of health talk, case presentation and drug presentation.</li> </ul>
Orthopedic ward	1 week	<ul style="list-style-type: none"> <li>• Provide nursing care to patients with musculo skeletal disorders</li> <li>• Counsel and educate patient and families</li> </ul>	<ul style="list-style-type: none"> <li>- Assessment of orthopedic patients</li> <li>- Assist in the application of plaster cast and removal of cast</li> <li>- Assist in applying skin traction, bucks extension traction</li> <li>- Assist in application and removal of prosthesis</li> <li>- Physiotherapy</li> <li>- Crutch maneuvering technique</li> <li>- Ambulation</li> </ul>	<ul style="list-style-type: none"> <li>• Plan and give care to assigned patients</li> <li>• Nursing care plan – 1</li> <li>• Health talk – 1</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of performance with rating scale</li> <li>• Evaluation of health talk, case presentation and drug presentation</li> </ul>
Communicable diseases ward / isolation ward	1 week	<ul style="list-style-type: none"> <li>• Provide nursing care for patients with communicable diseases</li> </ul>	<ul style="list-style-type: none"> <li>- Assessment of patients with communicable diseases</li> <li>- Use of personal protective equipment (PPE) and barrier nursing</li> <li>- Health teaching for prevention of infectious diseases</li> <li>- Counseling of HIV/ AIDS patients</li> <li>- Counseling of family members</li> </ul>	<ul style="list-style-type: none"> <li>• Give care for assigned patients</li> <li>• Health talk – 1</li> <li>• Care plan – 1</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment of performance with rating scale</li> <li>• Evaluation of health talk, case presentation and drug presentation</li> </ul>



Area	Duration	Objectives	Skills	Assignment	Assessment methods
Emergency ward / casualty	1 week	<ul style="list-style-type: none"> <li>• Provide care to patients in emergency and disaster situation.</li> <li>• Counsel patient and relatives for grief and bereave-ment</li> </ul>	<ul style="list-style-type: none"> <li>- Practice ‘triage’.</li> <li>- Assist with assessment, examination, investigation &amp; their interpretation, in emergency and disaster situations.</li> <li>- Provide first aid</li> <li>- ACLS / BLS</li> <li>- Assist in legal documentations and procedures in emergency unit.</li> <li>- Counsel patient and families grief and bereavement.</li> </ul>	<ul style="list-style-type: none"> <li>• Practice ‘triage’.</li> </ul>	<ul style="list-style-type: none"> <li>• Assess Performance with rating scale.</li> </ul>

# MENTAL HEALTH NURSING

**Placement- SECOND YEAR**

**Time- 70 hours**

## **Course Description:-**

This course is designed to help students develop the concept of mental health and mental illness, its causes, symptoms, prevention, treatment modalities and nursing management of mentally ill for individual, family and community.

## **General Objective:-**

Upon completion of this course, the students shall able to:

1. Describe the concept of mental health and mental illness and the emerging trends in psychiatric nursing.
2. Explain the causes and factors of mental illness, its prevention and control.
3. Identify the symptoms and dynamic of abnormal human behavior in comparison with normal human behavior.
4. Demonstration a desirable attitude and skills in rendering comprehensive nursing care to the mentally ill.

**Total Hours - 70**

Unit.	Learning Objectives	Content	Hr.	Teaching Learning Activites	Methods of Assessment
I	Describe the concept of mental health and mental illness in relation to providing comprehensive care to the patients.	<b>Introduction</b> a) Concept of mental health and mental illness b) Misconceptions related to mental illness c) Principles of Mental Health nursing d) Definition of terms used in psychiatry e) Review of defense mechanisms f) Mental Health Team	5	Lecture cum discussion  Structured discussion  Group interaction	Short answers  Objective type
II	Narrate the historical development of Psychiatry and psychiatric nursing.	<b>History of Psychiatry</b> a) History of Psychiatric Nursing - India and at international level b) Trends in Psychiatric Nursing c) National mental health programme	4	Lecture cum discussion	Short answer  Objective type
III	Describe mental health assessment	<b>Mental Health Assessment</b> a) Psychiatry history taking b) Mental status examination c) Interview technique	4	Lecture cum discussion  Demonstration	Short answer  Objective type  Return Demonstration

IV	Describe therapeutic relationship  Demonstrate skills in process recording	<b>Therapeutic nurse-patient relationship:</b> a) Therapeutic nurse patient relationship: Definition, components and phases, Importance Communication skills Definition elements,types, factors influencing communication, barriers (therapeutic impasse)	5	Lecture cum discussions  Role play  Videos  Demonstration of process recording	Short answers  Return demonstration
V	List various mental disorders and describe their mental and psychiatric and nursing management.	<b>Mental Disorders and Nursing Interventions</b> a) Psycho-Pathophysiology of human behavior b) Etiological theories (genetics, biochemical, psychological etc) c) Classification of mental disorders. d) Disorders of thought, motor activity, perception, mood, speech, memory, concentration, judgment e) Prevalence, etiology, signs and symptoms, prognosis, medical and Nursing management f) Personality & types of personality related to psychiatric disorder g) Organic mental disorders: Delirium, Dementia f) Psychotic disorders: - Schizophrenic disorders - Mood (affective) disorders: Mania depression, Bipolar affective disorders(BPAD) h) Neurotic disorders: Phobia, anxiety disorders,obsessive compulsive disorders, depressive neurosis, conversion disorders, dissociative reaction, psychosomatic disorders, post traumatic stress disorder i) Substance use and de-addiction: alcohol, tobacco and other psychoactive substance j) Child and adolescent psychiatric disorder; - Sleep disorder - Eating disorders - Sexual disorders k) Nursing Management: Nursing process and process recording in caring for patients withvarious psychiatric disorders	25	Lecture cum discussions  Case study  Case Presentation  Process recording  Videos  Role plays  Field visits- De-addiction centers, Alcohol Anonyms group, Adolescent clinics, Child guidance centersetc	Short answers  Essay types  Case Study  Case Presentation

Unit.	Learning Objectives	Content	Hr.	Teaching Learning Activites	Methods of Assessment
VI	Describe the Bio – psychosocial therapies and explain the role of the nurse	<b>Bio – Psycho &amp; Social Therapies</b> a) Psychopharmacology – Definition, classification of drugs antipsychotic, Antidepressant, antimanic, antianxiety agents, anti parkinsons b) Psychosocial therapies – individual therapies, group therapy, behavior therapy, occupational therapy, family therapy, milieu therapy c) Role of nurse in these therapies. d) Somatic therapy – Electro Convulsive Therapy, insulin therapy, e) Role of nurse in these therapies.	12	Lecture cum discussions  Seminar  Videos  Demonstration  Field visits- Rehabilitation centre, Day care centres  Role plays	Short Answers  Essay types  Return demonstration  Quiz  Drug study
VII	Describe the concept of preventive community mental health services. Enumerate the nurse's role in National mental health programme	<b>Community Mental Health</b> a) Concept, importance, scope b) Attitudes, Stigma and discrimination related to the mentally ill c) Prevention of mental illness (Preventive Psychiatry) during childhood, adolescence, adulthood and old age. d) Community Mental Health Services. e) Role of Nurse in national mental health programme and Psychiatric care in Community	5	Lecture cum discussion  Role play  Videos	Short answers  Essay type  Assignment
VIII	Explain different psychiatric emergencies and their management Demonstrate skills in crisis intervention	<b>Psychiatric Emergencies and Crisis Intervention</b> a) Types of Psychiatric emergencies: Over Active, under active patient, Violent behaviour, b) Suicide, adverse drug reactions, withdrawal symptoms, Acute psychosis etc c) Crisis and its intervention: AIDS, Adolescent Crisis	5	Lecture cum discussion  Videos  Role plays  Demonstration	Short answers  Objective Type  Essay type
IX	Describe the legal aspects to be kept in mind in the care of mentally ill patients.	<b>Forensic Psychiatry / Legal Aspects</b> a) India Lunatic Act 1912 b) Narcotic Drugs and psychotropic Act 1965, 1985 c) Mental Health Act 1987, 2014 d) Admission and discharge procedures e) Standards of psychiatric nursing practice. f) Rights of Mentally ill patients g) Legal responsibilities in the care of mentally ill patients.	5	Lecture cum discussions  Demonstration	Short answers  Essay type  Objective Quiz

## MENTAL HEALTH NURSING- PRACTICAL

**Placement- SECOND YEAR**

**Time – 320 hrs (8 weeks)**

**Internship 96 hrs (2 weeks)**

Areas	Duration	Objectives	Skill	Assignments	Assessment methods
Psychiatric OPD	3 weeks	<ul style="list-style-type: none"> <li>Assess patients with mental health problems</li> <li>Observe and assist in therapies</li> <li>Counsel and educate patients, and families</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination</li> <li>Assist in psychometric assessment</li> <li>Observe and assist in therapies</li> <li>Teach patients and family members</li> </ul>	<ul style="list-style-type: none"> <li>History taking-1</li> <li>Mental status examination-2</li> <li>Observation report of OPD-1</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Assessment of observation report</li> <li>Completion of activity record</li> </ul>
Child guidance clinic	1 week	<ul style="list-style-type: none"> <li>Assessment of children with various mental health problem's</li> <li>Counsel and provide health education for children, families and significant others</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination</li> <li>Observe and assist in therapies</li> <li>Health education of family members and significant others</li> <li>Counsel family members and significant others</li> </ul>	<ul style="list-style-type: none"> <li>Observation report of child guidance clinic</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Assessment of observation report</li> </ul>
Inpatient ward	6 weeks	<ul style="list-style-type: none"> <li>Assess patients with mental health problems</li> <li>Provide nursing care for patients with various mental health problems</li> </ul>	<ul style="list-style-type: none"> <li>History taking</li> <li>Perform mental status examination</li> <li>Observe and assist in therapies</li> <li>Provide nursing care to the mentally ill patient</li> <li>Health educate family members and significant others</li> </ul>	<ul style="list-style-type: none"> <li>Assess &amp; give nursing care to 2-3 patients with various mental disorders</li> <li>History taking-1</li> <li>Mental status examination-2</li> <li>Case study-1</li> <li>Care plan -1</li> <li>Case presentation-1</li> <li>Process recording-2</li> <li>Maintain drug book</li> </ul>	<ul style="list-style-type: none"> <li>Assess performance with rating scale</li> <li>Assess each skill with checklist</li> <li>Assessment of the case study, case presentation, process recording and care plan</li> </ul>

# CHILD HEALTH NURSING

**Placement- SECOND YEAR**

**Time – 70 hour**

## **Course Description:-**

This course is designed to help students develop and understanding of the concept of child health, the trends in child care and the health problems of children. This shall enable the students to meet the needs of the children, in health and sickness.

## **General Objective:-**

Upon completion of this course, the students shall able to:

1. Explain the concept of child health, the principles underlying child care trends in pediatric nursing.
2. Describe normal growth and development of children, so as to recognize deviations for normal health and care of healthy children
3. Demonstration skill in meeting the needs of the sick infants and children based on the IMNCI guidelines of GoI

**Total Hours: 70**

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
I	Understand the concept of the child health care, trends & emerging challenges for pediatric nurses  Describe the role of pediatric nurses in clinics, hospitals and community	<b>Introduction</b> a) Modern concept in child health care b) Trends in pediatric nursing c) Role of pediatric nurses in child care d) Emerging challenges, nursing process related to pediatric nursing e) Concept of preventive pediatric f) Vital statistics related to pediatrics as per the NRHS and GoI	5	Lecture cum discussions  Project on collection of vital statistics related to child health	Short answers  Objective type  Essay type
II	Describe the normal growth & development of children	<b>Growth &amp; Development</b> a) Definition, principles, factors affecting growth & development, techniques of assessment, plotting of growth chart	15	Lecture cum discussions  Role play  Videos  Plotting of growth chart	Short answers  Objective type  Essay type

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		<b>b) Infant:</b> Growth & Development, health promotion, breast feeding & weaning, immunization, infant and young child feeding <b>c) Toddler :</b> Growth & Development, nutrition counselling, toilet training, safety, prevention of accidents, play. <b>d) Preschoolers</b> Growth & development Daycare centers Role of Parents in sex education <b>e) School ager</b> Growth & development, rest, sleep, physical exercises & activity, dental health, sex education <b>f) Adolescent</b> <ul style="list-style-type: none"> <li>- Growth &amp; development, adaptation to puberty, menstrual hygiene, nutritional guidance, sex education,</li> <li>- Role of Parents in health promotion of adolescents</li> <li>- Control of iron deficiency anemia (WIFS guidelines)</li> </ul>			
III	Describe the role of nurse in caring for a sick child  Develop skill in carrying out nursing intervention while caring for pediatric age group.	<b>The sick child</b> a) Child's reaction to hospital b) Effect of hospitalization on the family of the child c) Role of nurse in helping child & family in coping, with stress of hospitalization & illness <b>Pediatric procedures:</b> a) Preparation of child for diagnostic tests, collection of specimens. b) Calculation & Administration of oral & parenteral medication c) Procedures related to feeding <ul style="list-style-type: none"> <li>- Katori &amp; Spoon</li> <li>- Ryle's tube &amp; gastrostomy</li> </ul>	8	Lecture cum discussions  Demonstration  Simulation  Role play	Short answers  Objective type  Essay type  Return demonstration

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		d) Procedures relating to elimination - Enema - Colostomy irrigation e) Administration & analysis of oxygen concentration, steam inhalation, nebulization, f) Other procedures: - Pediatric Resuscitation - Surgical dressing			
IV	Describe the management of behavioral disorders and common health problems of children  Demonstrate skills in the prevention & implementation of medical & nursing management of behavioral disorders & common health problems.	<b>Disorders and health problems of a child</b> a) Infancy : - Failure to thrive - Diarrhea & Vomiting b) Childhood - Communicable diseases - Tonsillitis - Otitis media - Child abuse - Breath holding spasms - Enuresis, nail biting, thumb sucking, somnambulism - Protein Energy Malnutrition - Helminthic infections - Bites and stings - Pica - Tics c) Adolescent - Precocious puberty - Gynecomastia - Accident, sport injuries - Obesity & anorexia nervosa - Juvenile delinquency	6	Lecture cum discussions  Seminars	Short answers  Objective type  Essay type
V	Demonstrate skills in providing comprehensive nursing care to the children having congenital defects/ malformation	<b>Child with congenital disorders:</b> Etiology, signs and symptoms, diagnosis, complications and medical, surgical & nursing management of children with: - Malformations of CNS, cranial deformities, spina bifida, hydrocephalus, cerebral palsy, meningocoele. - Skeletal defects, cleft lip & cleft palate	15	Lecture cum discussions  Presentation of picture of congenital anomalies  Supervised clinical practices	Short answers  Objective type  Essay type



Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		<ul style="list-style-type: none"> <li>- Gastro intestinal tract defects, fistula, anorectal malformations, hernia</li> <li>- Congenital hypertrophied pyloric stenosis</li> <li>- Defects of Genito-urinary Tract –hypospadias &amp; epispadias, extrophy of bladder, phimosis &amp; paraphimosis, cryptorchidism, polycystic kidney</li> <li>- Sexual abnormalities, ambiguous genitalia</li> <li>- Defects of cardio vascular system, cyanotic and acyanotic- TOF (Tetralogy of Fallouts), TGV (Transposition of Great Vessels), TAPVC, ASD, VSD, Coactation of aorta, PDA</li> <li>- Orthopedic abnormalities - congenital talipusequinovarus, congenital dislocation of hips</li> <li>- Chromosomal abnormalities</li> <li>- Down’s syndrome, Turner’s syndrome.</li> </ul>			
VI	Demonstrate skills in providing comprehensive nursing care to children with various disorders & diseases	<p><b>Children with various disorders and diseases</b></p> <p>Etiology, signs and symptoms, complications, prevention, medical, surgical &amp; nursing management of :</p> <p>a) Renal System</p> <ul style="list-style-type: none"> <li>- Nephrotic Syndrome</li> <li>- Acute Glomerulonephritis</li> <li>- ARF &amp; CRF</li> </ul> <p>b) Resp. System</p> <ul style="list-style-type: none"> <li>- URI and LRI</li> <li>- Asthma, Pneumonia</li> </ul> <p>c) GI System</p> <ul style="list-style-type: none"> <li>- Intestinal obstruction (Mechanical)</li> <li>- Hirschsprung’s disease</li> <li>- Malabsorption Syndrome</li> <li>- Inflammatory conditions – appendicitis, Meckel’s diverticulum, ulcerative colitis</li> <li>- Worm infestation</li> </ul>	15	<p>Lecture cum discussions</p> <p>Presentation</p> <p>Clinical teaching,</p> <p>Simulation,</p> <p>Videos,</p> <p>Visit to Blind, Deaf &amp; dumb school &amp; rehabilitation centre</p>	<p>Short answers</p> <p>Objective type</p> <p>Essay type</p>

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
		d) CVS System - Rheumatic fever - CCF - Infective endocarditis e) Hematological System - Anemia - Leukemia, - Thalassemia - Hemophilia - Sick cell anemia - Thrombocytopenic purpura f) Neurological System - Meningitis - Encephalitis - Convulsive disorders - Cranio-cerebral trauma g) Endocrine - Pituitary disorders - Hypo & Hyperthyroidism - Juvenile Diabetes - Adrenal disorders h) Developmental problem - Handicapped children - Mental Retardation - Dyslexia - Hearing & Vision impairment i) Others: - Fluid and electrolyte imbalance - Burns j) Problems with locomotion: - Poliomyelitis - Osteomyelitis - Kyphosis, lordosis, scoliosis - Fractures k) Pre and post operative care of children undergoing surgery.			

Unit No.	Learning objective	Content	Hours	Teaching learning activities	Assessment methods
VII	Describe the various child welfare services provided by Governmental & non Governmental agencies Explain the ethical & legal implication in pediatric nursing	<b>Child welfare services</b> a) Child welfare services and agencies: <ul style="list-style-type: none"> <li>- ICDS</li> <li>- Mid-day meal program</li> <li>- Balwadi, anganwadi</li> <li>- Day care centers</li> <li>- NPSP</li> </ul> b) Law pertaining to Pediatrics: <ul style="list-style-type: none"> <li>- National child labour policy</li> <li>- Child act.</li> <li>- Juvenile justice act</li> <li>- Internationally accepted rights of the child</li> <li>- Rehabilitation of delinquent &amp; destitute children</li> <li>- Adoption laws and services</li> <li>- Adolescent health programs – menstrual hygiene, WIFS program, adolescent safety program</li> </ul>	6	Lecture cum discussions  Visit to anganwadi schools, remand homes & adoption centers	Short answers  Objective type  Essay type

## CHILD HEALTH NURSING- PRACTICAL

**Placement- THIRD YEAR**

**Time – 320 hrs**

**(8 weeks)**

**Internship 96**

**hrs (2 weeks)**

Areas	Duration	Objectives	Skill	*Assignments	Assessment methods
Paediatric medicine ward	3 weeks	<ul style="list-style-type: none"> <li>• Perform physical assessment</li> <li>• Assist in diagnostic procedure and provide pre and post care related to diagnostic procedure</li> <li>• Administer the drugs • Provide health education</li> <li>• Perform basic resuscitation</li> </ul>	<ul style="list-style-type: none"> <li>- Taking pediatric History</li> <li>- Perform physical examination and assessment of children</li> <li>- Administration of oral, I/M, &amp; I/V, medicine/ fluid</li> <li>- Calculation of fluid requirements</li> <li>- Prepare different strengths of I.V. fluids</li> <li>- Apply restraints</li> <li>- Administer O2 inhalation by different methods</li> <li>- Feed children by katori (bowl) and spoon, pallada etc.</li> <li>- Collect specimens for common investigations</li> <li>- Assist with common diagnostic procedure</li> <li>- Teach mothers/ parents on balance diet for child of different age group</li> <li>- Oral rehydration therapy</li> <li>- Feeding &amp; weaning</li> <li>- Play therapy</li> <li>- Check vital signs</li> <li>- Give enema</li> <li>- Insert suppositories</li> </ul>	Give care to assigned paediatric patients Nursing care plan-1 Case study or Presentation-1 Health talk-1	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of Nursing care plan, Case study, Health talk, Case presentation</li> <li>• Completion of activity record</li> </ul>