

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	Introduction 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	Nursing assessment 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 pathophysiolo- gical mechanism of diseases	Pathophysiological mechanism of disease 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.	Altered immune response 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

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
		<ul style="list-style-type: none"> - Drug reactions - Food allergy - Serum sickness - Latex allergy <p>f) Approaches to treat allergic diseases</p> <p>g) Nursing management client with altered immune response</p> <p>h) Auto immune disease</p> <ul style="list-style-type: none"> - Rheumatoid arthritis - SLE - Ankylosing spondylitis - Graft versus host disease 			
V	Demonstrate skill in management of client with fluid and electrolyte imbalance.	Fluid and electrolyte balance and Imbalance <p>a) Water contents of body, electrolyte and Acid – Base balance</p> <p>b) Homeostasis</p> <p>c) Review mechanism of regulating fluid and electrolyte movement</p> <p>d) Fluid and electrolyte Acid-Base imbalance and its management</p>	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.	Operation theatre technique: <p>a) Physical Environment</p> <ul style="list-style-type: none"> - Operation theatre room - cleaning of tables, trolleys, lights and other equipments - Pre-operative holding areas. <p>b) Theatre Technique</p> <ul style="list-style-type: none"> - Scrubbing – Hand washing - Gowning - Gloving - Positioning of patient for various surgical procedures. - Draping of patient. <p>c) Preparation of theatre, equipment and supplies</p> <ul style="list-style-type: none"> - Cleaning - Needles, sutures – types and their uses. - Carbolization, ETO sterilization, fumigation, OT swab, Bacillocid sterilization. - Packing and sterilization of dressings, linen rubber ware suture material, instruments, needles and other materials. 	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
VII	Demonstrate skill in preparing the client for surgery. Recognize and perform the role of nurse during surgery.	Management of patient undergoing surgery <p>a) Pre operative preparation and care</p> <ul style="list-style-type: none"> - Physical - Psychological, - Pre-medications - Legal and ethical <p>b) Intra operative management</p> <ul style="list-style-type: none"> - Surgical Team - Nursing activities and responsibilities - Anesthetic agents - Role of nurse in anesthesia 	8	Lecture cum discussion Demonstration Videos	Short answer Objective type Essay type Return demonstration

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment Methods
	Demonstrate skill in giving care to clients after surgery (post-operative care)	c) Post operative Management <ul style="list-style-type: none"> - 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 function and gaseous exchange	Nursing management of patient with impaired respiratory function and gaseous exchange <ol style="list-style-type: none"> Assessment of respiratory function <ul style="list-style-type: none"> - History - Physical examination - Diagnostic evaluation Care of patient in respiratory intensive care and ventilator care and respiratory function Management of Patient with disorders of upper respiratory airway. <ul style="list-style-type: none"> - Obstruction of upper airway - Epistaxis - Sinusitis - Pharyngitis - Tonsillitis - Laryngitis - Deviated nasal septum Management of patient with disorders of the chest and lower respiratory tract Management of patient with impaired • Lung abscess <ul style="list-style-type: none"> - Empyema - Bronchial asthma - COPD - Pneumothorax - Pneumonia - Bronchitis - Bronchiectasis - Trauma - Pulmonary Tuberculosis/DOTS - Pulmonary embolism - Pulmonary edema - Lung tumors - Disorders of pleura and pleural space - Lung surgery - Respiratory failure - Acute respiratory distress syndrome, - SARS Alternate therapies Drugs used in treatment of disorder of respiratory system 	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
IX	Describe the various gastro intestinal disorders. Demonstrate skill in providing care for clients with gastro intestinal disorders.	Nursing management of patient with gastro intestinal disorders a) Assessment of gastro intestinal function <ul style="list-style-type: none"> - History - Physical examination - Diagnostic evaluation b) Management of Upper gastrointestinal disorders <ul style="list-style-type: none"> - Parotitis - Stomatitis - Glossitis - Gingivitis - Pyorrhea - Dental caries - Halitosis - Dysphagia - Achalasiacardia - Gastro Esophageal Reflux Disease (GERD) - Cancer of esophagus - Hiatus hernia - Gastritis - Gastric and duodenal ulcers - Gastric cancer - Gastroenteritis - Esophageal fistula - Peritonitis c) Care of patient with gastro intestinal intubation and special nutritional management. d) Management of patient with lower gastro intestinal disorders: <ul style="list-style-type: none"> - Helminthiasis - Constipation - Diarrhea - Fecal incontinence - Irritable Bowel Syndrome (IBS) - Appendicitis - Diverticular disease - Crohn's disease - Ulcerative colitis - Intestinal obstruction - Colitis - TB abdomen - Colorectal cancer - Polyps of colon and rectum - Ano rectal abscess - Anal fistula and fissure - Hemorrhoids e) Alternate therapies f) Drugs used in treatment of GI disorders	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
X	Describe the management of patients with metabolic and endocrinal disorders. Demonstrate skills in caring for the clients with metabolic and endocrinal disorders.	Nursing management of patients with metabolic and endocrinal disorders: a) Assessment of Hepatic and biliary functions <ul style="list-style-type: none"> - History - Physical examination - Diagnostic measures b) Management of patients with hepatic disorders <ul style="list-style-type: none"> - Jaundice - Hepatic cirrhosis - Portal hypertension - Ascites - Hepatic Encephalopathy and coma - Viral hepatitis - Tumors and cyst of the liver - Liver abscess c) Management of patients with biliary disorders <ul style="list-style-type: none"> - Cholecystitis - Cholelithiasis - Choledocolithiasis - Acute and chronic pancreatitis - Cancer of pancreas d) Assessment of Endocrinal function <ul style="list-style-type: none"> - History - Physical examination - Diagnostic evaluation e) Management of endocrinal disorders <ul style="list-style-type: none"> - Pituitary disorders - Thyroid disorders <ul style="list-style-type: none"> • Hyperthyroidism • Hypothyroidism • Thyroid tumors • Goiter - Parathyroid disorders - Pancreas disorder <ul style="list-style-type: none"> • Diabetes mellitus - Adrenal disorders <ul style="list-style-type: none"> • Pheochromocytoma • Addison's disease • Cushing's syndrome - Tumors of the endocrine glands f) Alternate therapies g) Drugs used in treatment of metabolic and Endocrine disorder	15	Lecture cum discussion Charts Simulation Clinical teaching Exposure to diagnostic procedures Videos and Films	Short answer Objective type Essay type
XI	Describe the management of clients with urinary and renal disorders. Demonstrate skill in giving care of client with urinary and renal disorders	Nursing management of renal and urinary disorders a) Assessment of renal and urinary functions <ul style="list-style-type: none"> - History - Physical examination - Diagnostic evaluation b) Management of patients with renal and urinary disorders <ul style="list-style-type: none"> - Urinary retention and incontinence - Urinary tract infection 	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"> - Acute and chronic glomerulonephritis - Pyelonephritis - Urolithiasis - Renal calculi - Trauma of kidney, bladder, urethra, ureters - Urinary strictures - TB of urinary tract - Neurogenic bladder dysfunction - Renal cyst and renal abscess - Nephrotic syndrome - Acute and chronic Renal failure - Uremia - Acute and chronic nephrosis - Tumor – benign and malignant - Care of patient on hemodialysis and peritoneal dialysis - Care of patient with renal transplant <p>c) Assessment of male Genitourinary function</p> <ul style="list-style-type: none"> - History - Physical examination - Diagnostic evaluation <p>d) Disorders of male genito urinary tract and its management</p> <ul style="list-style-type: none"> - Hydrocele, - Phimosis - Benign and malignant prostatic hypertrophy - Orchitis - Epididymoorchitis - Cancer penis <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>Nursing management of patients with neurological disorders:</p> <p>a) Assessment Neurological functions</p> <ul style="list-style-type: none"> - History - Physical examination - Diagnostic evaluation <p>b) Management of patients with neurologic dysfunctions</p> <ul style="list-style-type: none"> - Altered level of consciousness - Increased Intracranial pressure - Intracranial surgery <p>c) Management of patients with neurological disorders</p> <ul style="list-style-type: none"> - Headache - Migraine - Seizures - Epilepsy - Status epileptics - Cerebrovascular disorder – CVA - Neurological trauma – Head, brain, spinal cord, subdural and extradural hematoma - Neurologic infection <ul style="list-style-type: none"> • Meningitis 	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"> • Brain abscess • Encephalitis - Degenerative disorders • Multiple sclerosis • Myasthenia gravis • Guillain – Barre syndrome • Parkinsonism • Alzheimer disease - Neuralgia - Bell's Palsy - Peripheral neuropathies - Brain and spinal cord tumors - Huntington's disease - Muscular Dystrophies - Herniation of the intervertebral disc d) Alternate therapies e) Drugs used in treatment of neurological disorders 			
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>Nursing Management of Patients with Connective Tissue and Collagen Disorders</p> <p>a) Assessment</p> <ul style="list-style-type: none"> - History - Physical examination - Diagnostic measures <p>b) Management of patients with disorders of connective tissue and collagen disorders</p> <ul style="list-style-type: none"> - Rheumatoid arthritis - Systemic lupus Erythematosus (SLE) - Scleroderma - Polymyositis - Osteoarthritis - Ankylosing Spondylitis - Gout - Fibromyalgia <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>Nursing management of the elderly</p> <p>a) Assessment of the elderly</p> <ul style="list-style-type: none"> - Ageing process - Helping and care of elderly in promoting wellness and self care <p>b) Conditions associated with ageing</p> <ul style="list-style-type: none"> - Dementia - Osteoporosis - Incontinence – urinary - Sensory deprivation <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	Oncology Nursing: a) Nursing management of patients with oncological conditions <ul style="list-style-type: none"> - Structure & characteristics of normal & cancer cells - Nursing Assessment-History and Physical assessment - Prevention, Screening, Early detection, Warning signs of cancer - Epidemiology, Etiology, Classification, Pathophysiology, staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions - 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 b) Oncological emergencies c) Modalities of treatment <ul style="list-style-type: none"> - Immunotherapy 	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"> - Radiotherapy - Surgical Interventions - Stem cell and Bonemarrow transplants - Gene therapy - Other forms of treatment 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	Nursing Management of patients with disorders of Breast a) Assessment of breast <ul style="list-style-type: none"> - History - Physical examination - Diagnostic tests - Breast self examination b) Disorders of breast <ul style="list-style-type: none"> - Mastitis - Breast abscess - Gynaecomastia - Tumors and Malignancy of breast 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	Nursing Management of patient with diseases and disorders of integumentary system a) Nursing Assessment <ul style="list-style-type: none"> - History - Physical assessment b) Etiology c) Pathophysiology d) Clinical manifestations e) Nursing management of disorders of skin and its appendages <ul style="list-style-type: none"> - Lesions and abrasions - Infection and infestations Dermatitis - Dermatoses; infectious and Non infectious - Inflammatory dermatoses - Acne Vulgaris 	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"> - Allergies and Eczema - Psoriasis - Malignant Melanoma - Alopecia - Infestations - Bacterial infections - Pyoderma - Impetigo - Folliculitis - Furuncles - Carbuncles - Viral infections - Herpes zoster - Herpes simplex - Fungal infection - Athlete's foot (Tanta Pedi's) - Parasitic infestation - Pediculosis - Scabies - Pemphigus - Stevens - Johnson syndrome - Skin cancer - Special dermatological therapies <p>f) Burn and its management</p> <ul style="list-style-type: none"> - Burns Plastic Surgery - Incidence, causes of burns - Types & classification of burns - Pathophysiology - Calculation of the percentage - Local & systematic effects of burns - Immediate care - First aid care - Medical Management, barrier nursing care of the burns - Complications, Health education <p>g) Plastic Surgery</p> <ul style="list-style-type: none"> - Define plastic & reconstructive surgery - Types - Define skin graft flaps - Possible complication - Preparation of patient for constructive surgery - Post operative care - Health Education <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.	Ophthalmology And Ophthalmic Nursing a) Review of anatomy and physiology of eye b) Assessment of function of eyes. <ul style="list-style-type: none"> - History - Physical exam - Diagnostic tests-tonometry, Snellen's chart c) Infections and Inflammations conditions <ul style="list-style-type: none"> - Blepharitis - Styne - Chalazion - Entropion - Ectropion - Dacrocystitis - Conjunctivitis - Trachoma - Pterygium - Keratitis - Corneal ulcer d) Degenerative Conditions <ul style="list-style-type: none"> - Cataract - Retinopathy - Retinal detachment e) Miscellaneous <ul style="list-style-type: none"> - Strabismus - Refractive errors - Tumors - Color blindness - Night Blindness - Total blindness 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"> - Hospital corneal retrieval - Grief counseling. - Eye Collection - Counselling - Obtaining consent for eye donation i) Eye banking in India j) Ocular Emergencies <ul style="list-style-type: none"> - Glaucoma - Foreign body - Acid / Alkali burns - Trauma to the eye 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>Nursing Management of Patient with Disorders and Diseases of Ear, Nose and Throat</p> <p>Ear</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"> - History - Ear examination - Diagnostic tests <p>c) Diseases and disorders of the ear</p> <p>External ear</p> <ul style="list-style-type: none"> - Otitis - Foreign body - Impacted cerumen - Furunculosis <p>Middle ear</p> <ul style="list-style-type: none"> - Otitis media - Mastoiditis - Perforation of ear drum <p>Internal ear</p> <ul style="list-style-type: none"> - Presbycusis - Labyrinthitis - Meniere's disease - Otosclerosis <p>Deafness</p> <ul style="list-style-type: none"> - Conductive deafness - Neural deafness <p>Tumors of the ear and auditory nerve</p> <p>Insufflations of Eustachian tube</p> <p>Nose</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"> - History - Examination of nose - Diagnostic tests <p>c) Diseases and disorders of nose</p> <p>Infections</p> <ul style="list-style-type: none"> - Rhinitis - Sinusitis - Obstruction - Polyps <p>Foreign body</p> <p>Deviated nasal septum</p> <p>Trauma – fracture of nasal bone and epistaxis</p> <p>Throat</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"> - History - Examination of throat - Diagnostic tests c) Diseases and disorders of throat infections and inflammation <ul style="list-style-type: none"> - Tonsillitis - Pharyngitis - Adenoiditis - Laryngitis - Tumors - Injury and foreign body - Alternate therapies - Drugs used in treatment of ENT disorders 			
VI	Describe cardiovascular circulatory and Hematological disorders and diseases. Demonstrates skill in carrying nursing interventions for clients with circulatory and hematological disorders and diseases.	Nursing Management of Patient with cardio vascular, circulatory and Hematological disorders Cardio Vascular <ol style="list-style-type: none"> Review of anatomy and physiology of heart and circulatory system Assessment of functions of heart and vascular system <ul style="list-style-type: none"> - History - Physical exam - Diagnostic tests Diseases and disorders of cardio vascular system <ul style="list-style-type: none"> - Coronary Artery disease - Arrhythmia - Coronary Artery disease <ul style="list-style-type: none"> • Angina pectoris • Coronary atherosclerosis • Myocardial infarction - Valvular heart disease <ul style="list-style-type: none"> • Mitral stenosis • Aortic stenosis, • Incompetence, regurgitation • Tricuspid stenosis • Pulmonary stenosis - Inflammation and infections <ul style="list-style-type: none"> • Pericarditis, Myocarditis, Endocarditis • Rheumatic fever - Heart block - Complication of heart disease <ul style="list-style-type: none"> • Acute Heart failure (Pulmonary Edema) • Chronic (Congestive Cardiac failure) • Cardiogenic shock 			

Unit No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		<ul style="list-style-type: none"> • Pericardial effusion, cardiac tamponade - Cardiac emergencies <ul style="list-style-type: none"> • Cardiac arrest • Shock - Vascular disorders <ul style="list-style-type: none"> • Arterial disorders • Berger's disease (TAO), • Arterial ulcers, • Arteriosclerosis, • Aneurysm, • Thrombosis and emboli, • Raynaud's disease • Hypertension - Venous disorder <ul style="list-style-type: none"> • Deep Vein Thrombosis (DVT) • Venous insufficiency • Venous ulcer • Varicose vein • Cellulitis • Lymphatic disorders • Lymphangitis & Lymphadenitis • Lymphedema & elephantiasis <p>Hematological disorders</p> <p>a) Review of function and structure of blood components</p> <ul style="list-style-type: none"> - Assessment - History - Physical examination - Diagnostic tests <p>b) Diseases and disorders of blood and its components</p> <ul style="list-style-type: none"> - Anemia - Thalassemia - Polycythemia - Leukopenia and neutropenia - Leukocytosis & leukemia - Lymphomas Hodgkin & Non Hodgkin diseases, Multiple myeloma - Bleeding disorders - Thrombocytopenia, - Purpura, hemophilia - Acquired coagulation - Disorders – Liver disease, Vitamin K deficiency, DIC <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 the nurse's role in various national control/ Eradication Programme of communicable diseases.</p>	<p>Nursing Management of Patients with communicable diseases</p> <p>a) Assessment</p> <ul style="list-style-type: none"> - History - Physical examination - Diagnostic tests <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 caused by Virus;</p> <ul style="list-style-type: none"> - Measles - Chicken pox - Swine flu - Ebola - Dengue - Chicken guinea - Influenza - Mumps - Encephalitis - Infective hepatitis - Poliomyelitis - Rabies - AIDS <p>Caused by Bacteria;</p> <ul style="list-style-type: none"> - Diphtheria - Whooping cough - Tetanus - Typhoid - Dysentery - Gastroenteritis - Cholera - Meningococcal Meningitis - Tuberculosis - Plague - Leptospirosis <p>Vector borne diseases;</p> <ul style="list-style-type: none"> - Malaria - Filariasis - Yellow fever - Dengue - Any other prevailing diseases <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.	Nursing Management of Patients with Sexually Transmitted diseases a) Assessment - History - Physical examination - Diagnostic tests b) Sex health and hygiene c) Syndromic Management of sexually transmitted disease - Gonorrhea - Syphilis - Granuloma Venerium - Chancroid granuloma - AIDS - Genital herpes	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.	Nursing Management of Patients with musculo skeletal disorders and diseases a) Review of Anatomy and Physiology of musculo skeletal system b) Assessment - History - Physical examination - Diagnostic tests c) Infections and inflammations - Septic arthritis - Gonococcal arthritis - Osteomyelitis - Tuberculosis of the spine and bones - Sprains - Dislocations - Fracture of spine and extremities 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: - Skin and skeletal traction - Orthopedic splints i) POP application and removal j) Neurogenic bladder k) Preparation for bone surgery l) Use of orthopedic assist devices - Crutches - Canes - Walker 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.	Emergency Management a) Scope and practice of emergency nursing <ul style="list-style-type: none"> - Principles of emergency care - Triage b) Medical Surgical Emergencies c) Airways obstruction <ul style="list-style-type: none"> - Hemorrhage - Shock, Anaphylactic reaction, Allergies - Trauma – intra abdominal, crush injuries, multiple injuries fractures - Poisoning - Ingested poisoning - Inhaled poisoning - Food poisoning <ul style="list-style-type: none"> - Injected poisons – Stinging insects - Snake bites Chemical burns - Environmental emergencies: - Heat stroke - Frost bite. - Near drowning - Hanging 	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.	Emergency and Disaster Nursing a) Natural calamities <ul style="list-style-type: none"> - Flood - Earthquake - Volcanic eruptions b) Man-made disaster <ul style="list-style-type: none"> - Explosion - War - Fire - Accidents 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

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.	Introduction <ol style="list-style-type: none"> 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.	History of Psychiatry <ol style="list-style-type: none"> 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	Mental Health Assessment <ol style="list-style-type: none"> a) Psychiatry history taking b) Mental status examination c) Interview technique 	4	Lecture cum discussion Demonstration	Short answer Objective type Return Demonstration

Unit.	Learning Objectives	Content	Hr.	Teaching Learning Activities	Methods of Assessment
IV	Describe therapeutic relationship Demonstrate skills in process recording	Therapeutic nurse-patient relationship: a) Therapeutic nurse patient relationship: Definition, components and phases, Importance b) 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.	Mental Disorders and Nursing Interventions 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 with various 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 centers etc	Short answers Essay types Case Study Case Presentation

Unit.	Learning Objectives	Content	Hr.	Teaching Learning Activities	Methods of Assessment
VI	Describe the Bio – psychosocial therapies and explain the role of the nurse	Bio – Psycho & Social Therapies 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	Community Mental Health a) Concept, importance, scope b) Attitudes, Stigma and discrimination related to the mentally ill c) Prevention of mental illness (Preventive Psychiatry) during childhood, adolescent, 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	Psychiatric Emergencies and Crisis Intervention 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.	Forensic Psychiatry / Legal Aspects 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"> Assess patients with mental health problems Observe and assist in therapies Counsel and educate patients, and families 	<ul style="list-style-type: none"> History taking Perform mental status examination Assist in psychometric assessment Observe and assist in therapies Teach patients and family members 	<ul style="list-style-type: none"> History taking-1 Mental status examination-2 Observation report of OPD-1 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Assessment of observation report Completion of activity record
Child guidance clinic	1 week	<ul style="list-style-type: none"> Assessment of children with various mental health problem's Counsel and provide health education for children, families and significant others 	<ul style="list-style-type: none"> History taking Perform mental status examination Observe and assist in therapies Health education of family members and significant others Counsel family members and significant others 	<ul style="list-style-type: none"> Observation report of child guidance clinic 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Assessment of observation report
Inpatient ward	6 weeks	<ul style="list-style-type: none"> Assess patients with mental health problems Provide nursing care for patients with various mental health problems 	<ul style="list-style-type: none"> History taking Perform mental status examination Observe and assist in therapies Provide nursing care to the mentally ill patient Health educate family members and significant others 	<ul style="list-style-type: none"> Assess & give nursing care to 2-3 patients with various mental disorders History taking-1 Mental status examination-2 Case study-1 Care plan -1 Case presentation-1 Process recording-2 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Assessment of the case study, case presentation, process recording and care plan

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	Introduction 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	Growth & Development 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) Infant: Growth & Development, health promotion, breast feeding & weaning, immunization, infant and young child feeding c) Toddler : Growth & Development, nutrition counselling, toilet training, safety, prevention of accidents, play. d) Preschoolers Growth & development Daycare centers Role of Parents in sex education e) School ager Growth & development, rest, sleep, physical exercises & activity, dental health, sex education f) Adolescent <ul style="list-style-type: none"> - Growth & development, adaptation to puberty, menstrual hygiene, nutritional guidance, sex education, - Role of Parents in health promotion of adolescents - Control of iron deficiency anemia (WIFS guidelines) 			
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.	The sick child 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 Pediatric procedures: 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"> - Katori & Spoon - Ryle's tube & gastrostomy 	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.	Disorders and health problems of a child 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	Child with congenital disorders: 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"> - Gastro intestinal tract defects, fistula, anorectal malformations, hernia - Congenital hypertrophied pyloric stenosis - Defects of Genito-urinary Tract –hypospadias & epispadias, extrophy of bladder, phimosis & paraphimosis, cryptorchidism, polycystic kidney - Sexual abnormalities, ambiguous genitalia - Defects of cardio vascular system, cyanotic and acyanotic- TOF (Tetralogy of Fallouts), TGV (Transposition of Great Vessels), TAPVC, ASD, VSD, Coactation of aorta, PDA - Orthopedic abnormalities - congenital talipusequinovarus, congenital dislocation of hips - Chromosomal abnormalities - Down's syndrome, Turner's syndrome. 			
VI	Demonstrate skills in providing comprehensive nursing care to children with various disorders & diseases	<p>Children with various disorders and diseases Etiology, signs and symptoms, complications, prevention, medical, surgical & nursing management of :</p> <p>a) Renal System</p> <ul style="list-style-type: none"> - Nephrotic Syndrome - Acute Glomerulonephritis - ARF & CRF <p>b) Resp. System</p> <ul style="list-style-type: none"> - URI and LRI - Asthma, Pneumonia <p>c) GI System</p> <ul style="list-style-type: none"> - Intestinal obstruction (Mechanical) - Hirschsprung's disease - Malabsorption Syndrome - Inflammatory conditions – appendicitis, Meckel's diverticulum, ulcerative colitis - Worm infestation 	15	<p>Lecture cum discussions</p> <p>Presentation</p> <p>Clinical teaching,</p> <p>Simulation,</p> <p>Videos,</p> <p>Visit to Blind, Deaf & dumb school & 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 <ul style="list-style-type: none"> - Rheumatic fever - CCF - Infective endocarditis e) Hematological System <ul style="list-style-type: none"> - Anemia - Leukemia, - Thalassemia - Hemophilia - Sickle cell anemia - Thrombocytopenic purpura f) Neurological System <ul style="list-style-type: none"> - Meningitis - Encephalitis - Convulsive disorders - Cranio-cerebral trauma g) Endocrine <ul style="list-style-type: none"> - Pituitary disorders - Hypo & Hyperthyroidism - Juvenile Diabetes - Adrenal disorders h) Developmental problem <ul style="list-style-type: none"> - Handicapped children - Mental Retardation - Dyslexia - Hearing & Vision impairment i) Others: <ul style="list-style-type: none"> - Fluid and electrolyte imbalance - Burns j) Problems with locomotion: <ul style="list-style-type: none"> - 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	Child welfare services a) Child welfare services and agencies: - ICDS - Mid-day meal program - Balwadi, anganwadi - Day care centers - NPSP b) Law pertaining to Pediatrics: - National child labour policy - Child act. - Juvenile justice act - Internationally accepted rights of the child - Rehabilitation of delinquent & destitute children - Adoption laws and services - Adolescent health programs – menstrual hygiene, WIFS program, adolescent safety program	6	Lecture cum discussions Visit to anganwadi schools, remand homes & adoption centers	Short answers Objective type Essay type