

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS) – I

Placement: Second Year

Theory: 210 Hrs

Practical: 720 Hrs

Course Description: The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical surgical disorders in varieties of health care settings and at home.

Specific Objectives: At completion of the course the student is able to:

- a. Describe the causes, signs and symptoms, treatment and prevention of medical surgical conditions.
- b. Demonstrate skill in carrying out nursing techniques and procedures in keeping with scientific principles.
- c. Discuss nursing process and provide nursing care to patients with various medical surgical conditions.

Unit	Time Hrs	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	13	*Appreciate the trends in medical & surgical nursing * Describe the role of a Nurse in caring for adult patients in hospital & Community * Describe the concept of Medical Surgical asepases	<u>INTRODUCTION</u> • Introduction to Medical Surgical Nursing Evaluation & trends of medical & surgical nursing • Review of concepts of health & illness, diseases concepts, its causes- Classification of diseases, International classification of Diseases -Acute, chronic, & terminal stages of illness - Review of concept of compressive Nursing care in medical Surgical Condition based on Nursing Process. Role of nurse patients & family in care of adult patients. •Role & responsibility of nurse in medical surgical settings: -Outpatient department -In patient department -Intensive care units -Home & community settings • Introduction to medical sepsis -Inflammation and Infection - Stress adaptation - Hemorrhage	•Lectures & Discussion •Charts , graphs models, films and slides •Demonstrations •Practice sessions •Case discussions •Seminars •Clinical practice •Drug book •Exposure to related procedures	•Essay type •Short answers •Objective type •Skill assessment with check list •Clinical work

Unit	Time Hrs	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> - Nutritional consideration - immunity - Wound healing • Care of surgical patients. <ul style="list-style-type: none"> Preoperative Intraoperative Postoperative • <u>Demonstrations</u> <ul style="list-style-type: none"> -surgical asepsis -Dressings -Care of wound drainage -Preoperative preparation of patients. 		
II	12	Describe the common sign and symptoms of problems and their specific nursing management	<p><u>Common sign and symptoms and management</u></p> <ul style="list-style-type: none"> -Fluid & electrolyte imbalance -Vomiting -Dyspnea and cough, respiratory difficulty and obstructions -Fever -Shock -Unconsciousness, syncope -Pain -Incontinence (bladder & bowl) & retention of urine - Constipation - Diarrhea -Edema -Age related problems-Geriatric problem. 	<ul style="list-style-type: none"> • Lectures & Discussion •Charts , graphs models, films and slides •Demonstrations •Practice sessions •Case discussions / seminar 	<p>Essay type</p> <ul style="list-style-type: none"> •Short answers •Objective type of question <p>Assessment of skill assessment with check list</p> <ul style="list-style-type: none"> •Clinical work

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
III	20	Describe the Etiology , pathophysiology clinical manifestation & diagnostic measures (& management of patients (adult including elderly) with disorder of reparatory system common medical surgical nursing procedures	<p><u>Nursing management of patients (adults including elderly) with respiratory problems</u></p> <ul style="list-style-type: none"> • Review of Anatomy & Physiology of respiratory system. • Nursing Assessment – History & Physical assessment • Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities & Medical, surgical, Nutritional & nursing including elderly with: • Upper Respiratory tract infections • Bronchitis , Bronchiolitis • Asthma • Emphysema • Empyema • Atelectasis • Chronic obstructive Pulmonary Diseases (COPD) • Bronchiectasis • Pneumonia • Pulmonary tuberculosis • Lung abscess • Pleural abscess, effusion • Cysts & Tumors • Chest injuries • Respiratory arrest, ARDS & insufficiency • Pulmonary embolism Special therapies, alternative therapies Nursing Procedures Drugs used in treatment of respiratory disorders. • <u>Demonstrations</u> <p>- Respiratory assessment assisting in procedures of X ray chest, MRI, lung Biopsy, bronchoscopy</p> <p>- Thoracocentesis, - care of patients</p>	<ul style="list-style-type: none"> •Lectures & Discussion charts, graphs models, films and slides •Demonstrations •Practice sessions •Case discussions / Seminar •Clinical Practice •Drug book • Exposure to procedure- X ray - MRI Edoscopy 	<ul style="list-style-type: none"> •Essay type Short answers •Objective type of questions Assessment of skills with assessment of patients with Clinical work Management problem

			with chest drainage & change of chest drainage- Care of patients on ventilators & weaning – nebulisation, -		
Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
IV	30	Describe the etiology, Patho-physiology, clinical manifestation, diagnostic measures and management of patients (Adults including elderly) with disorders of Digestive system	<p><u>Nursing management of patient (Adults including elderly) with disorders of Digestive system</u></p> <ul style="list-style-type: none"> • Review of Anatomy & Physiology of digestive system • Nursing Assessment –history & physical assessment • Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, Nutritional & nursing management <p>Disorders of oral cavity</p> <ul style="list-style-type: none"> • Oral cavity- Lips, gums, tongue, salivary and teeth -esophagus- inflammation, stricture, obstruction, bleeding & esophageal tumour • Stomach & Duodenum- hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumour pyloric stenosis -Food allergy & poisoning • Small intestinal inflammation and infection - Ulcerative colitis, enteritis, malabsorption syndrome, Obstruction, tumors perforation, • Large Intestinal disorders -Colitis inflammations & infection, obstruction, Tumors, lump Hernis • Appendix Inflammation, mass, abscess, rupture • Anal & Rectum Fistulas, fissures, Hemorrhoides and tumour • Peritonitis/ acute abdominal • Pancreas; inflammation, cyst, abscess, tumours Abdominal trauma • Acute Abdoma to • Pancreas- Acute & chronic pancreatitis, abscess & tumors 	<ul style="list-style-type: none"> • Lectures & Discussion • Charts, graphs models, films and slides • Demonstrations • Practice sessions • Case discussions • Seminars • Clinical practice • Drug book • Exposure to related procedures Health Education Supervised clinical practice Drug Book / Presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Skill assessment with check list • Clinical work assessment of patient management

			<ul style="list-style-type: none"> •Liver- Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors 	
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Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> •Biliary tract & gall bladder -Cholecystitis, cholelithiasis, tumors •Demonstrations -Preparing assessing & witnessing - Barium meal, enema, -Abdominal paracentesis, -Liver biopsy, -Endoscopies, ERCP, OGD, Colonoscopy, Proctoscopy, Sigmoidoscopy -Liver function test Gastric analysis, stomach wash - Gastrostomy feeding - Jejunostomy feeding - Bowel wash - Colostomy care • Liver inflammation cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours, • Gall Bladder, inflammation, Obstruction, Stones, & tumours Special Therapies, alternative therapies nursing procedures, drug used in the treatment of disorders & diseases of digestive system 		

Unit	Time	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
V	30	Describe the etiology, patho-physiology, clinical manifestation, diagnostic measures and management of patients (adults including elderly) with disorders of blood and cardiovascular problems Describe the vascular conditions and its nursing management	<p><u>Nursing management of patient(adults including elderly) with blood and cardiovascular problems</u></p> <ul style="list-style-type: none"> • Review of Anatomy & Physiology of blood and cardiovascular system • Nursing Assessment –history & physical assessment. • Etiology, patho physiology, clinical manifestation, diagnosis, treatment modalities: medical, surgical, Nutritional & nursing management of: <ul style="list-style-type: none"> • Heart- <ul style="list-style-type: none"> -Coronary artery disease -Ischemic heart disease - Coronary atherosclerosis -Angina pectoris -Myocardial infarction -Congestive cardiac failure -Corpulmonale -Pulmonary Odema -Cardiogenic shock -Cardiac tamponade - Endocarditis -Myocarditis -Pericarditis -Cardiomyopathies • Valvular heart disease- <ul style="list-style-type: none"> -Congenital & acquired -Rheumatic heart disease -Mitral stenosis • Conduction system <ul style="list-style-type: none"> -Cardiac dysarthmias & heart blocks • Vascular systems <ul style="list-style-type: none"> Hypertension, hypotension Raynaud’s disease Aneurism and Perpherial vascular disorders, Cardiogenic shock •Cardiac arrest- ACLS, BLS • Blood <ul style="list-style-type: none"> -Anaemias -Polycythemia - Bleeding & coatings disorders -Thrombocytopenia -Hemophilia -Thalassemia -Leukemia 	<ul style="list-style-type: none"> •Lectures & Discussion • Explain charts, graphs models, films and slides •Demonstrations •Practice sessions •Case discussions / Seminars •Clinical practice •Drug book •Exposure to procedure visit to blood bank participation in blood bank counseling 	<ul style="list-style-type: none"> •Essay type •Short answers •Objective type •Skill assessment with check list •Clinical work

			<ul style="list-style-type: none"> -Leucopenia Agranulocytosis -Lymphomas & Myelomas • Blood bank functioning & Biosafety management related to blood transfusion -Role of nurse in organ donation, transplant, retrieval & banking Drugs used in cardiovascular system. Alternative therapies • Demonstration-ECG-3 & 12 lead, -Holter monitoring -2DEcho,Doppler 	
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VI	10	Describe the etiology, Patho-physiology, clinical manifestation, diagnostic measures and management of patients (adults including elderly) with disorders of genitourinary system	<p><u>Nursing management of patient (Adults including elderly) with genitourinary problems</u></p> <ul style="list-style-type: none"> • Review of Anatomy & Physiology of genitourinary systems • Nursing Assessment –history & physical assessment. • Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of <ul style="list-style-type: none"> -Nephritis -Nephrotic syndrome -Nephrosis - Renal calculus - Tumours -Acute renal failure -Chronic renal failure -End stage renal disease -Dialysis, renal transplant -congenital disorders, urinary infections -Benign prostate hypertrophy • Kidney <ul style="list-style-type: none"> -Polycystic kidney • Disorders of ureter, urinary bladder-urethra- inflammation infections, calculus stricture, obstructions, tumors, prostate <p>Drug used in treatment of Genic</p> <p><u>Demonstrations</u></p> <p>Bladder wash / Irrigation</p> <p>Demonstration care of Indwelling catheterization male / female</p> <p>Condom catheters (external)</p>	<ul style="list-style-type: none"> •Lectures & Discussion • Explain using charts, graphs models, films and slides •Demonstrations •Practice sessions •Case discussions/ Seminars •Supervised Clinical practice •Drug book/presentation •Exposure to procedure Health Education 	<p>Essay type</p> <ul style="list-style-type: none"> •Short answers •Objective type •Skill assessment with check list •Clinical work Assessment of patient management problem
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Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VII	5	Describe the etiology, Patho-Physiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system.	<p><u>Nursing management of disorders of male (adults including elderly) reproductive system</u></p> <ul style="list-style-type: none"> • Review of anatomy and Physiology of male reproductive system • Nursing assessment-history and physical assessment • Etiology, patho-physiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive system • Congenital malformations; cryptorchidism • Infections • Hypospadiasis, Epispadiasis • Infection Testis and adjacent structure • Penis <ul style="list-style-type: none"> • Prostate: inflammation, infection hypertrophy, tumor • Sexual Dysfunction • Infertility • Contraception • Breast, gynecomastia, tumor • Climacteric changes special therapies, alternative therapies. • Nursing procedures <p>drugs used in treatment of disorders of male reproductive system</p>	<p>Lecture discussion</p> <p>Explain using Charts, graphs</p> <ul style="list-style-type: none"> • Models, films, slides • Demonstration • Practice session • Case discussion / seminar • Health education • Supervise d clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type • Assessment of skills with check list <p>Assessment of patients management problem</p>

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
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Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VIII	10	Describe the etiology, Patho Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system	<p><u>Nursing management of patient (adults including elderly) with disorders of endocrine system</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of endocrine system <ul style="list-style-type: none"> • Nursing assessment-history and physical assessment • Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of • Disorders of pituitary • Disorders of thyroid and parathyroid • Adrenal tumour • Diabetes mellitus • Diabetes insipidus_ • special therapies, alternative therapies • Nursing procedures • drugs used in treatment of disorders of endocrine system 	<ul style="list-style-type: none"> •Lecture discussion • Explain using Charts, graphs <ul style="list-style-type: none"> • Models, films, slides • Demonstration • Practice session • Case discussion / seminar • Health education • Supervised clinical practice • Drug book / • presentation 	<ul style="list-style-type: none"> •Essay type •Short answer • Objective type • Assessment of skills with check list •Assessment of patients management problem

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
IX	10	Describe the etiology, Patho Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin	<p><u>Nursing management of patients (adults including elderly) with disorders of Integumentary system</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of skin and its appendages • Nursing assessment-history and physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and 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 • Allergies and Eczema • Psoriasis • Malignant melanoma • Alopecia • Leucoderma • Care of patient with Skin surgery <p>Special therapies, alternative therapies</p> <ul style="list-style-type: none"> • Nursing procedures, • drugs used in treatment of disorders of Integumentary system 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs <ul style="list-style-type: none"> • Models, films, slides • Demonstration • Practice session • Case discussion / seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type • Assessment of skills with check list • Assessment of patients management problem

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
X	15	Describe the etiology, Pathology, Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system	<p><u>Nursing management of patients (adults including elderly) with musculoskeletal problems</u></p> <ul style="list-style-type: none"> • Review of anatomy and physiology of musculoskeletal system, • Nursing assessment-history and physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of • Disorders of: <ul style="list-style-type: none"> □ Muscles, ligaments and joints-inflammation, infection trauma □ Bones-inflammation, infection, dislocation, sprain, fracture, tumour & trauma □ Osteomalacia and osteoporosis □ Arthritis □ Congenital deformities □ Spinal column – defects and deformities, tumor, Prolapsed inter vertebral disc. Pott’s spine □ Paget’s disease <ul style="list-style-type: none"> • Amputation • Prosthesis • Transplant and replacement surgeries • Rehabilitation special therapies, alternative therapies • Nursing procedures, drug used in treatment of disorders of musculoskeletal system 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Chart, graphs • Models, films, slides • Demonstration • Practice session • Case discussion / seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skill with check list • check list • Assessment of patients management problem

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
XI	10	<ul style="list-style-type: none"> • Describe the etiology, patho physiology, clinical manifestations diagnostic Measures and Management of Patients (adults Including elderly) with disorders of Immunological systems 	<p><u>Nursing management of Patient (adults Including elderly) with Immunological problems</u></p> <ul style="list-style-type: none"> • Review of Immune system. • Nursing Assessment-History and physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis treatment modalities and medical, surgical, dietetics and nursing management of- • Immunodeficiency disorder • Primary immuno deficiency • Phagocytic dysfunction • B-cell and T-cell deficiencies • Secondary immuno-deficiencies • Acquired Immuno Deficiency Syndrome (AIDS) • Incidence of HIV & AIDS • Epidemiology • Transmission-prevention of Transmission • Standard safety precautions • Roll of nurse, counseling • Health education and home care consideration, • National AIDS control program NACO various National and international agencies. • Infection control program • Rehabilitation, Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological systems 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using Charts, Graphs • Models, films slides • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Orientation visit to Hospital control system 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
XII	20	Describe the etiology, Patho-, Physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases	<p><u>Nursing management of patient (adults including elderly) with Communicable Diseases</u></p> <ul style="list-style-type: none"> • Overview of infectious disease, the infectious process • Nursing Assessment-History and physical assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics. Control and eradication of common communicable diseases <ul style="list-style-type: none"> □ Tuberculosis □ Diarrhoeal diseases □ Hepatitis A-E □ Herpes □ Chickenpox □ Smallpox □ Typhoid □ Meningitis □ Gas gangrene □ Leprosy □ Dengue □ Plague □ Malaria □ Diphtheria □ Pertussis □ Poliomyelitis □ Measles □ Mumps □ Influenza □ Tetanus □ Yellow fever □ Filariasis □ HIV, AIDS communicable diseases • Reproductive Tract Infections • Special infection control measures; Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals Special therapies, Alternative therapies <ul style="list-style-type: none"> •Nursing procedures •Drugs used in treatment of 	<p>Lecture discussion</p> <ul style="list-style-type: none"> •Explain using Charts, graphs <ul style="list-style-type: none"> • Models, films, slides • Demonstration • Practic session • Case discussion / seminar • Health education • Supervised clinical practice • Drug book / presentation 	<p>Essay type</p> <ul style="list-style-type: none"> •Short answer • Objective type • Assessment of skills with check list •Assessment of patients management problem

Unit	Time	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
XIII	25	<ul style="list-style-type: none"> • Describe the organization and physical set up of operation theatre • Identify the various instruments and equipments used for common surgical procedures • Describe the infection control measures in the operation theatre • Describe the role of the nurse in the Peri operative nursing care 	<p>Peri Operative nursing:</p> <ul style="list-style-type: none"> • Organization and physical set up of the operation theatre (OT): <ul style="list-style-type: none"> □ Classification □ O.T.DESIGN □ Staffing □ Members of the OT team. □ Duties and responsibility of nurse in OT □ Principles of health and operating room attire. □ Instruments □ Sutures and suture materials □ Equipments □ O.T. tables and sets for common surgical procedure □ Scrubbing procedures □ Gowning and gloving □ Preparation of O.T. sets □ Monitoring the patients during surgical procedures <ul style="list-style-type: none"> • Maintenance of therapeutics environment in O.T. • Standard safely measures □ Infection control: fumigation, disinfection and sterilization □ Biomedical waste management □ Prevention of accidents and hazards in O.T. •Anaesthesia <ul style="list-style-type: none"> • Types □ Methods of administration □ Effects and stages □ Equipment □ Drugs <ul style="list-style-type: none"> • Cardio pulmonary Resuscitation (CPR) • Pain management techniques Legal Aspects 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Supervised clinical practice <p>Drug book / presentation</p>	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type • Assessment of skills with check list

MEDICAL SURGICAL NURSING

(Adult including Geriatrics)-I

Practical

Placement: Second year

Time: 720 Hours

Areas	Duration (in wk)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)	06	<ul style="list-style-type: none"> • Provide nursing care to adult patients with medical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of the patient <ul style="list-style-type: none"> □ Taking history □ Perform general and specific physical examination <ul style="list-style-type: none"> - Respiratory - GI - Endocrine - Renal - Hematology □ Identify alterations and deviations. • Practice medical surgical asepsis Standard safety measures. • Administer medications <ul style="list-style-type: none"> □ Oral, IV, IM, ID, Subcutaneous, Airlock and Z-Track method • Blood and Component Therapy <ul style="list-style-type: none"> • IV therapy <ul style="list-style-type: none"> □ IV canulation □ Maintenance and monitoring □ IV additives □ IV Bottle change • Oxygen therapy by different methods <ul style="list-style-type: none"> □ Ambu bag □ Venturiy mask • Nebulization • Chest physio- therapy • Postural drainage • Naso gastric feeding 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan- 02 • Nursing case presentaion-1 • Drug presentation-1 • Maintain drug book • Maintain Practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of practical record.

Areas	Duration (in wk)	Objectives	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> •Gastric lavage •Perform/Assist in therapeutic procedures <ul style="list-style-type: none"> □ Thoracentesis □ Abdominal Paracentesis □ Barium meal □ USG □ Endoscopy <ul style="list-style-type: none"> - ERCP - OGD scopy - Colonoscopy - Proctoscopy - Sigmoidoscopy • Blood and component Transfusion <ul style="list-style-type: none"> □ Plasma □ RBC □ Whole blood □ Platelet □ Cryoprecipitate • Throat suctioning • Collect specimens for common investigations <ul style="list-style-type: none"> □ Blood □ Urine □ Stool □ Sputum • Maintain elimination <ul style="list-style-type: none"> □ Catheterization □ Catheter care □ Bowel wash □ Enema □ Urinary drainage □ Bladder wash • Maintain Intake, output and documentation • Counsel and teach related to specific disease conditions. 		

Areas	Duration (in wk)	Objectives	Skills	Assignments	Assessment Methods
General Surgical Ward (GI, urinary, CVTS)	06	<ul style="list-style-type: none"> • Provide pre and post operative nursing care to adult patients with surgical disorders • Counsel and educate patients and families 	Similar to skills of General medical Ward + <ul style="list-style-type: none"> • Pre operative preparation of patients. □ Preparation of skin □ Informed Consent □ Assist in various investigations in various surgeries • Post operative care Receiving patient, assessment, monitoring, care • Care of wounds and drainage □ Romovac drain • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care □ Gastrostomy □ Colostomy □ Enterostomy • Rehabilitation 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan – 02 • Nursing case study - 01 • Maintain drug book • Maintain practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of practical record. • Evaluation of care & case plan
Cardiology ward / CCU / ICU	02	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Physical examination of the cardio vascular system • Recording and interpreting ECG • Monitoring of patients Preparation and assisting in non-invasive and invasive diagnostic procedures.	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan - 01 • Nursing case presentation- 01 • Maintain drug book • Maintain practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study • Evaluation of Nursing care plan

Areas	Duration (in wk)	Objectives	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> ❑ 2D Echo ❑ Colour Doppler ❑ Holter ❑ 12 Lead ECG ❑ Stress test • Care of patients undergoing Angiography • Administer cardiac drugs • Cardio pulmonary Resuscitation • Pre operative and post operative care of patients undergoing cardiac surgeries. 		<ul style="list-style-type: none"> • Compilation of activity record
Operation Theatre	06	<ul style="list-style-type: none"> • Identify instruments used in common operations • Participate in Infection control practices in the Operation Theatre • Set up the table / trolleys for common operative procedures • Assist in giving anesthesia • Assist in the operative procedures 	<ul style="list-style-type: none"> • Scrubbing, gowning, gloving • Identify instruments, suturing materials for common operations. • Disinfection, carbolization, fumigation • Preparation of instrument sets for common operations • Sterilization of sharps and other instruments • Prepare the OT table depending upon the operation • Positioning and monitoring of patients 	<ul style="list-style-type: none"> • Assist as a circulatory nurse in <ul style="list-style-type: none"> - Major cases- 05 - Minor cases-5 • Assist as a scrub nurse in <ul style="list-style-type: none"> - Major cases- 05 - Minor cases-5 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Completion of practical record

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> • Provide pre-operative nursing care 	<ul style="list-style-type: none"> • Endotracheal intubation • Assisting in minor and major operations. • Handling specimens • Disposal of waste as per the guidelines. • Care of instruments after surgery • Packing of trays 		
Orthopedic Ward	02	<ul style="list-style-type: none"> • Provide nursing care to adult patients with orthopedic problem • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Assessment of the orthopedic patient <ul style="list-style-type: none"> □ Taking history □ Physical examination of musculo skeletal system. □ Apply skin traction-buck's extension traction , splints & patient care • Practice medical surgical asepsis Standard safety measures • Pre and post operative care of patients with orthopedic surgery. • Preparing, assisting and witnessing in non invasive and invasive diagnostic procedure Physiotherapy-Range of Motion exercises (ROM), muscle strengthening exercises • Crutch maneuvering technique Activity of daily living Ambulation Teach & counsel patient & family • Assist in application & removal of prosthesis • POP application and removal • Rehabilitation. 	<ul style="list-style-type: none"> • Nursing care plan – 01 • Nursing case study 01 • Nursing case presentation 01 • Maintain drug book • Maintain practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of Nursing care plan & Nursing case study/ presentation Maintain practical record book

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Skin & Communicable diseases Ward	02	<ul style="list-style-type: none"> Identify skin problems Provide nursing care to patients with Skin disorders and Communicable diseases Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of patients with skin disorders Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis Standard safety measures Use of personal protective equipment (PPE) Give Medicated baths Teach prevention of infectious diseases. Counseling HIV Positive patient 	<ul style="list-style-type: none"> Plan and give care to 3 assigned patients Health talk to patients and families-01 Maintain drug book Maintain practical record book 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation health talk Completion of practical record

EDUCATIONAL VISITS:

Medical Surgical Nursing:

1. Artificial Kidney Unit
2. C.S.S.D.
3. Waste Disposal Unit
4. Hospital Kitchen
5. Blood Bank
6. Radiology Department
7. Artificial Limb Center
8. Rehabilitation Center
 - Physical
 - Vocational

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EVALUATION SCHEME:

Internal assessment

Theory:

Mid-term Examination	50
Pre-final	75

Total: 125

(125 Marks to be converted in to 25 Marks for Internal Assessment (Theory))

Practical:

100 Marks

a) Nursing Care Plan – 03 X 25 Marks (Medical ward – 01, Surgical ward – 01, Ortho / any other – 01)	75 Marks
b) Case Presentation – 01	50 Marks
c) Case study – 02 X 50 Marks (Medical Ward – 01, Surgical Ward – 01)	100 Marks
d) Health Education – 01	25 Marks
e) Therapeutic Diet – 01	25 Marks
f) Clinical Evaluation – 03 X 100 Marks (Medical Ward – 01, Surgical Ward – 01, Operation Theatre – 01)	300 Marks
g) Practical Examinations Mid-term Examination – 50 Marks Pre-final Examination – 100 Marks	150 Marks

Total 725

(725 Marks to be converted in to 100 Marks for Internal Assessment (Practical))

External Assessment

University Examination

Theory:	75 Marks
Practical:	100 Marks

a) Guideline for Nursing Care Plan: (3 X 25 Marks)

FORMAT FOR NURSING CARE PLAN

(Medical / Surgical / Ortho or)

Marks 25

1. **Patients Biodata:** Name, address, age, sex, religion, marital status, occupation , source of health care, date of admission provisional diagnosis, date of surgery if any
2. **Presenting complaints:** Describe the complaints with which the patient has come to hospital
3. **History of illness**
 History of present illness – onset, symptoms, duration, precipitating/ alleviating factors
 History of past illness- illnesses, surgeries, allergies, immunizations, medications
 Family history – family tree, history if illness in family members, risk factors, Congenital Problems, Psychological Problems.
4. **Economic status:** Monthly income & expenditure on health, marital assets (own pacca house car, two wheeler, phone, TV etc. ..)
5. **Psychological status:** ethnic background, (geographical information, cultural information) support system available.
6. **Personal habits:** consumption of alcohol, smoking, tobacco chewing, sleep, exercise, work elimination, nutrition.
7. **History to Physical examination with date and time**
8. **Disease condition: - Definition, Anatomy Physiology, incidence, Etiology & risk factor, Pathophysiology, clinical manifestation**
9. **Investigation**

Date	Investigation done	Normal value	Patient value	Inference

10. Medical Surgical management complications & prognosis

11. Drug Study

Sr No	Drug: trade name	Pharmacological name	Route	Dose & frequency	Action	Side effect & Drug interaction	Nursing responsibility

12. Guide line for writing Nursing care plan (including health education)

Marks – 20

Date	Assessment	Nursing diagnosis	Objective	Plan of care Implementation	Rationale	Evaluation	Remark
	Subjective & Objective Data						
Marks --	4	3	2	7	2	2	

13. Guide line for writing Nurses Note

Date	Diet	Medication	Observation & Nursing Intervention	Remark

Note: Same format to be used for 1) Medical, 2) Surgical & 3) Ortho or any other, having 25 Marks each)

Evaluation Criteria for Nursing Care Plan

Sr No	Content	Marks
1	History to Physical examination with date time	05
2	Disease condition: (Definition Anatomy Physiology, incidence, Etiology & risk factor, Pathophysiology, clinical manifestation	08
3	Investigations	02
4	Medical Surgical management complications & prognosis	06
5	Drug study	04
6	Nursing care plan	20
7	Nurses note	05
	Total	50

b) FORMAT FOR CASE PRESENTATION

Marks – 50

1. **Patients Biodata:** Name, Address, Age, sex, religion, marital status, occupation, source of health care, date of admission, provisional diagnosis, date of surgery if any
2. **Presenting complaints:** describe the complaint with which the patient has come to hospital
3. **History of illness:**
 History of present illness- onset, symptoms, duration, precipitating / alleviating factors
 History of past illness- illnesses, surgeries, allergies, immunizations, medications
 congenital problems, psychological problems.
4. **Economic status:** Monthly income & expenditure on health, marital assets (own pacca house, car, two wheeler, phone, TV etc...)
5. **Psychological status:** ethnic background, (geographical information, cultural information) support system available.
6. **Habits:** Consumption of alcohol, smoking, tobacco chewing, sleep, exercise, work elimination, nutrition.
7. **Physical examination with date and time**
8. **Investigation**

Date	Investigation done	Normal value	Patient value	Inference

9. Treatment

Sr no	Drug : trade name	Pharmacological name	Ro ute	Dose & frequency	Action	Side effect & Drug interaction	Nursing responsibility

10. Description of disease

11. Definition, related anatomy physiology, etiology, risk factors, clinical features, management and nursing care

12. Clinical features of the disease condition

Clinical features present in the book	Description of clinical features of patient	Pathophysiology

13. Nursing care plan

Marks-15

Patient name:

Date:

Ward:

Date	Assessment Subjective Objective	Nursing diagnosis	Objective	Plan of care for Implementation	Rationale	Evaluation
	3	2	2	4	2	2

14. Discharge planning: It should include health education and discharge planning given to patient.

Marks-15

15. Evaluation of care: Overall evaluation, problem faced while providing care prognosis of the patient and conclusion.

Evaluation criteria for case presentation

Sr No	Content	Marks
1	Assessment / Introduction	05
2	Knowledge and understanding of disease	10
3	Nursing care plan	15
4	Presentation skill	10
5	A.V. aids	04
6	Time	02
7	Summary & conclusion	02
8	Bibliography	02
Total		50

c) Guide line for Nursing Case Study (2 X 50 Marks)

**FORMAT FOR NURSING CASE STUDY
(Medical Ward / Surgical Ward)**

Marks- 50

- 1. Patients Biodata:** Name, address, age, sex, religion, marital status, occupation , source of health care, date of admission provisional diagnosis, date of surgery if any
- 2 Presenting complaints:** Describe the complaints with which the patient has come to hospital
- 3 History of illness:**
History of present illness – onset, symptoms, duration, precipitating / alleviating factors
History of past illness- illnesses, surgeries, allergies, immunizations, medications
Family history – family tree, history if illness in family members, risk factors, Congenital problems, psychological Problems.
- 4 Economic status:** Monthly income & expenditure on health, marital assets (own pacca house car, two wheeler, phone, TV etc. ..)
- 5 Psychological status:** ethnic background, (geographical information, cultural information) support system available.
- 6 Habits:** consumption of alcohol, smoking, tobacco chewing, sleep, exercise, work elimination, nutrition.
- 7 History to Physical examination with date and time**
- 8 Disease condition: - Definition, Anatomy Physiology, incidence, Etiology & risk factor, Pathophysiology, clinical manifestation**
- 9 Investigation**

Date	Investigation done	Normal value	Patient value	Inference

10 Medical Surgical management complications & prognosis

11 Drug Study

Sr no	Drug : trade name	Pharmacological name	Route	Dose & frequency	Action	Side effect & Drug interaction	Nursing responsibility

12. Nursing care plan

Patients Name:

Date:

Ward:

Date	Assessment Subjective Objective	Nursing diagnosis	Objective	Plan of care Implementation	Rationale	Evaluation
	3	2	2	4	2	2

12 Nurse’s Notes:

13 Self Evaluation:

14 Bibliography:

Note: Same format to be used for Medical Ward / Surgical Ward having 50 Marks each.

Evaluation Criteria for Nursing Case Study

Sr. No.	Content	Marks
1	Patient history, Physical examination	5
2	Anatomy, Physical, Pathophysiology & Clinical manifestations	8
3	Investigations	2
4	Medical surgical management, complication & prognosis	8
5	Drugs study	4
6	Nursing care plan	15
7	Nursing note	4
8	Self evaluation / conclusion	2
9	Bibliography	2
Total		50

d) Evaluation format for Health Education

1. Name of the student teacher:
2. Name of the supervisor:
3. Venue:
4. Date:
5. Time:
6. Group:
7. Previous knowledge of the group
8. AV aids used
9. General objectives
10. Specific objectives

Lesson plan for health talk

Sr. No.	Time	Specific Objectives	Content	Teaching Learning Activities	A V Aids	Evaluation

(Maximum Marks: 25)

Sr. No.	Criteria	Marks Allotted	Marks Obtained
1	Lesson Plan	08	
2	Presentation	05	
3	Communication skill	05	
4	Preparation and effective use of A V. Aids	04	
5	Group participation	03	
Total		25	

Remarks

**Evaluation discussed
& Students Signature
Date :**

**Sing. Of Supervisor
Date :**

e) Guideline for Therapeutic Diet

Introduction: Name of the patient, age, sex, religion of the patient, education, language, socioeconomic status, regular meal pattern, food like and dislikes, disease condition of the patient, reason for prescribed diet

Menu planning: Recommended diet plan with details of CHO, protein, fat and calories with nutrients and restrictions with due consideration to commonly available seasonal foods

Patient's education: Ability of student to explain to the patient the need for adherence to recommended diet.

Evaluation: Ensuring whether patient follows the prescribed diet.

References:

Evaluation criteria for Therapeutic Diet

Sr No	Content	Marks
1	Introduction	05
2	Menu planning	10
3	Patient education	05
4	Evaluation	02
5	References	03
Total		25

**f) GUIDE LINE FOR CLINICAL ASSESSMENT OF STUDENT
CLINICAL EVALUATION (3 X 100 MARKS)**

f - i & ii) Format for Clinical Assessment

(MEDICAL WARD / SURGICAL WARD)

Student's Name :-

Hospital :-

Year :-

Unit / Ward :-

Students Number :-

From to

Max 100 Marks

Sr. No.	PERFORMANCE CRITERIA	(5) Excellent	(4) very Good	(3) Good	(2) Satisfactory	(1) Poor	Remarks
	<i>Nursing Process (75)</i>						
I	Assessment and Nursing Diagnosis (15)						
1.1	Collects data accurately						
1.2	Identifies & Categorizes basic Needs of Patients						
1.3	Formulates Nursing Diagnosis						
II	Planning (15)						
2.1	Prioritizes patients needs						
2.2	Plans nursing action for each of need						
2.3	States rationale for nursing action						
III	Implementation (20)						
3.1	Implements nursing care Accurately and safely with in given time						
3.2	Applies scientific Principles						
3.3	Maintains safe and comfortable environment						
3.4	Gives health teaching as per plan to the patients / family						
IV	Evaluation (10)						
4.1	Evaluate patient's response to nursing care						
4.2	Reexamines & Modifies care plan						
V	Documentation (15)						
5.1	Records patient information accurately						
5.2	Report patient information accurately						
5.3	Maintains self up to date						

Sr. No.	PERFORMANCE CRITERIA	(5) Excellent	(4) very Good	(3) Good	(2) Satisfactory	(1) Poor	Remarks
	<i>Professional Conduct – (25)</i>						
VI	Uniform and Punctuality						
6.1	Always well groomed, neat & conscious about professional appearance						
6.2	Is always punctual in Clinical & completing assignments						
6.3	Readily accepts responsibility for own behavior & has initiative						
VII	Communication skills						
7.1	Establishes & Maintains effective working / communication relationship with patients and family						
7.2	Establishes good inter personal relationship with members of health team / supervisors / Teachers						
Total Marks							

Comment / Remarks by Teacher / Supervisor:

Total Marks 100

Total Marks Obtained

Signature of Teacher

Date:

Evaluation is seen and discus by the student

Signature of student

Date of Sign

Note: Same format to be used for 1) Medical Ward & 2) Surgical Ward having 100 Marks each.

f - iii) Format for OPERATION THEATRE experience EVALUATION

Maximum Marks 100

Name of the student:

Year:

Duration of posting:

Area of posting:

Grades: -[5-Excellent, 4-V. Good, 3-Good, 2-Fair, 1-Poor]

Sr. No	Content	5	4	3	2	1
I	Personal & professional behavior:					
1	Wears theatre dress correctly					
2	Arrives and leaves punctually					
3	Notably poised & effective even in stressful situation					
4	Works with interest & willingness					
5	Shows respect to co-workers, works well as a team member.					
II	Knowledge of:					
6	Anatomy & surgical procedure					
7	Equipment & articles					
8	Anaesthesia, Microbiology, Legal responsibilities					
III	Skills					
9	Collects & receives all preoperative information about patients.					
10	Follows principles of scrubbing, gowning & gloving					
11	Arranges trolley according to procedure					
12	Assists efficiently knowing the steps					
13	Works efficiently as a circulating nurse					
14	Assists the anesthetist for induction, intubation & extubation					
15	Follows strict infection control measures					
16	Maintains therapeutic operation theatre environment					
17	Checks adequacy of equipment & supplies					
18	Records & reports immediately					
19	Provides appropriate postoperative care					
20	Follows cleaning, packing & sterilization of equipment					

Signature of Class Coordinator

Date:

Signature of Students

Date:

Signature of Supervisor

Date:

f – iii - 1) Guide line for Operation Theatre Report Writing

- i Introduction**
- ii Objective**
- iii Physical layout of OT**
- iv Role and functions of Nurse in OT**
 - Head Nurse**
 - Scrub Nurse**
 - Circulating Nurse**
- v Preparations for Surgery**
 - Sterilization of articles**
 - Preparation and packing**
 - Instruments, Sutures and needles**
 - Anesthetic trolley**
 - Anesthetic drugs**
 - Operating tables and necessary equipment**
- vi Assisting in surgery**
 - Scrubbing, Gowning and gloving**
 - Position and draping of patient**
 - Trolley setting for various operations/ conditions**
- vii Care of Patient in OT**
 - Pre operative**
 - Intra operative**
 - Post operative**
 - Transportation of patient in and out of OT**
- viii Hazards of OT**
 - Accidents**
- ix Cleaning of OT**
 - Carbolization**
 - Fumigation**
- x Problems faced and suggestions**
- xi References**

[Note: Assignments are requirement of operation theatre posting, however they are not for evaluation.]

f – iii – 2) Guide line for WITNESSED CASES Operation Theater

I. Demographic Profiles

Name of Patient: **WD/ Bed No.**
Age/ Sex: **Diagnosis:**
Proposed Surgery: **Actual surgery:**
Date of witnessed:

II. Type of Anesthesia

A) Drug used in anesthesia

Name of Drug	Dose Given	Dose Available	Route	Action

B) Intubation:

Type of ETT -	Size

C) Boyles apparatus

Ventilators	Circuit	Connection	Mechanism	Electric Gadget

D) Extubation: (Steps)

E) Type of I/V Fluids and suture Material available in that area:

I/ V Fluids	Suture Material

Signature of Supervisor

Signature Student

Date :

Date :

[Note: Assignments are requirement of operation theatre posting, however they are not for evaluation.]

f - iii - 3) Guideline for ASSISTED CASES in Operation Theatre

I) DEMOGRAPHIC PROFILE:

Name of Patient:

WC/ Bed No.

Age/ Sex:

Diagnosis:

Proposed Surgery:

Actual Surgery:

Date of case assisted:

II) TYPE OF ANAESTHESIA:

Drug used in anesthesia:

Name of the drug	Dose given	Dose available	Route	Action

III) TROLLEY PREPRATION:

Dressing & draping	Instruments	Suture

IV) STEPS IN SURGERY:

- 1. Position**
- 2. Painting**
- 3. Draping**
- 4. Incision**
- 5. Method of Homeostasis**
- 6. Dissection**
- 7. Retraction**
- 8. Anastomosis**
- 9. Drainage**
- 10. Haemostatic**
- 11. Closure**
- 12. Dressing**
- 13. Adhesive**

Signature of Supervisor

Signature Student

Date:

Date:

[Note: Assignments are requirement of operation theatre posting, however they are not for evaluation.]

External Practical Evaluation Guidelines
II Basic B.Sc Nursing
Subject:-Medical Surgical Nursing I

100 Marks

Internal Examiner **50 Marks**
Nursing Procedure (30 marks)

Planning and Organizing **10 marks**

- Preparation of tray 6
- Environment 2
- Preparation of patient 2

Execution of Procedure **14 marks**

- Applies scientific principles 6
- Proficiency in skill 6
- Ensures sequential order 2

Termination of procedure **6marks**

- Makes patient comfortable 2
- Reports & Records 2
- After care of articles 2

Viva (20 Marks) **20 marks**

- Knowledge about Medical surgical conditions 5
- Preparation of various investigation procedures 5
- Medical Surgical asepsis and Standard safety measures 5
- Instruments and articles 5

External Examiner **50 Marks**

Nursing Process (30 Marks) **30 marks**

- Assessment 6
- Nursing Diagnosis 4
- Goal 2
- Outcome criteria 2
- Nursing intervention 6
- Rationale 4
- Evaluation 2
- Nurses notes 4

Viva (20 Marks) **20 marks**

- Operation Theatre Technique 5
- Emergency Management 5
- Drugs 5
- Therapeutic diet 5

**MEDICAL SURGICAL NURSING- I PRACTICAL EXAMINATION
PRACTICAL / ORAL MARK LIST**

NAME OF THE EXAMINATION : MEDICAL SURGICAL - I

MONTH : YEAR :

SECOND YEAR Basic B. Sc. NURSING : MARKS : 100

SUBJECT : MEDICAL SURGICAL NURSING PRACTICALS-I

CENTRE :

Roll No	Internal Examiner		External Examiner		Total	Total
	Procedure	Viva voce	Nursing process	Viva voce		
	30	20	30	20	100	50

Signature of the Internal Examiner

Signature of the External Examiner

Date

Date :