

# 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	<b><u>INTRODUCTION</u></b> <ul style="list-style-type: none"> <li>• Introduction to Medical Surgical Nursing Evaluation &amp; trends of medical &amp; surgical nursing</li> <li>• Review of concepts of health &amp; illness, diseases concepts, its causes- Classification of diseases, International classification of Diseases</li> <li>-Acute, chronic, &amp; terminal stages of illness</li> <li>- Review of concept of compressive Nursing care in medical Surgical Condition based on Nursing Process.</li> <li>Role of nurse patients &amp; family in care of adult patients.</li> <li>•Role &amp; responsibility of nurse in medical surgical settings:               <ul style="list-style-type: none"> <li>-Outpatient department</li> <li>-In patient department</li> <li>-Intensive care units</li> <li>-Home &amp; community settings</li> </ul> </li> <li>• Introduction to medical sepsis</li> <li>-Inflammation and Infection</li> <li>- Stress adaptation</li> <li>- Hemorrhage</li> </ul>	<ul style="list-style-type: none"> <li>•Lectures &amp; Discussion</li> <li>•Charts , graphs models, films and slides</li> <li>•Demonstrations</li> <li>•Practice sessions</li> <li>•Case discussions</li> <li>•Seminars</li> <li>•Clinical practice</li> <li>•Drug book</li> <li>•Exposure to related procedures</li> </ul>	<ul style="list-style-type: none"> <li>•Essay type</li> <li>•Short answers</li> <li>•Objective type</li> <li>•Skill assessment with check list</li> <li>•Clinical work</li> </ul>

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

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

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

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

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

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

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

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><b><u>Nursing management of patients (adults including elderly) with disorders of Integumentary system</u></b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of skin and its appendages</li> <li>• Nursing assessment-history and physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of disorders of skin and its appendages <ul style="list-style-type: none"> <li>• Lesions and abrasions</li> <li>• Infection and infestations: Dermatitis</li> <li>• Dermatoses; infectious and non infectious “inflammatory dermatoses</li> <li>• Acne vulgaris</li> <li>• Allergies and Eczema</li> <li>• Psoriasis</li> <li>• Malignant melanoma</li> <li>• Alopecia</li> <li>• Leucoderma</li> <li>• Care of patient with Skin surgery</li> </ul> </li> </ul> <p>Special therapies, alternative therapies</p> <ul style="list-style-type: none"> <li>• Nursing procedures,</li> <li>• drugs used in treatment of disorders of Integumentary system</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, graphs <ul style="list-style-type: none"> <li>• Models, films, slides</li> </ul> </li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussion / seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book / presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Assessment of patients management problem</li> </ul>

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

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

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

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

# MEDICAL SURGICAL NURSING

## (Adult including Geriatrics)-I

### Practical

**Placement: Second year**

**Time: 720 Hours**

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

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

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

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

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

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

## 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**

<b>Theory:</b>	<b>75 Marks</b>
<b>Practical:</b>	<b>100 Marks</b>

**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

<b>Sr No</b>	<b>Content</b>	<b>Marks</b>
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
	<b>Total</b>	<b>50</b>

**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

<b>Sr No</b>	<b>Content</b>	<b>Marks</b>
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
<b>Total</b>		<b>50</b>

**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
<b>Total</b>		<b>50</b>

### 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	
<b>Total</b>		<b>25</b>	

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**

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

**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
	<b><i>Nursing Process (75)</i></b>						
<b>I</b>	<b>Assessment and Nursing Diagnosis (15)</b>						
1.1	Collects data accurately						
1.2	Identifies & Categorizes basic Needs of Patients						
1.3	Formulates Nursing Diagnosis						
<b>II</b>	<b>Planning (15)</b>						
2.1	Prioritizes patients needs						
2.2	Plans nursing action for each of need						
2.3	States rationale for nursing action						
<b>III</b>	<b>Implementation (20)</b>						
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						
<b>IV</b>	<b>Evaluation (10)</b>						
4.1	Evaluate patient's response to nursing care						
4.2	Reexamines & Modifies care plan						
<b>V</b>	<b>Documentation (15)</b>						
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
	<b><i>Professional Conduct – (25)</i></b>						
<b>VI</b>	<b>Uniform and Punctuality</b>						
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						
<b>VII</b>	<b>Communication skills</b>						
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						
<b>Total Marks</b>							

**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
<b>I</b>	<b>Personal &amp; professional behavior:</b>					
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.					
<b>II</b>	<b>Knowledge of:</b>					
6	Anatomy & surgical procedure					
7	Equipment & articles					
8	Anaesthesia, Microbiology, Legal responsibilities					
<b>III</b>	<b>Skills</b>					
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 - 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



# COMMUNICATION & EDUCATION TECHNOLOGY

**Placement: Second Year**

**Theory: 90 Hrs.  
(Theory 60 Hrs + Lab 30 Hrs)**

**Course Description:**

This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal and human relations, develop basic skills in guidance and counseling, principles of education, teaching individuals and groups in clinical, community and health educational settings.

**Specific objectives:**

On completion of this course, the graduate nurse will be able to:

1. Understand the effective communication process using various communication techniques with individuals groups and health team members.
2. Establishes effective interpersonal and human relations with patients, families and health team members.
3. Acquires knowledge on concepts, principles on guidance and counseling and develop basic skills for counseling patients, nursing students and nursing personnel.
4. Understand the philosophy, principles of education and teaching learning process.
5. Demonstrate teaching skills using various teaching methods in classroom, clinical and community setup using different methods and media.
6. Demonstrate skill in preparing different types of assessment tools for knowledge attitude and skill.

Unit	Time (Hrs.)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
I	05	01	<ul style="list-style-type: none"> <li>▪ Describe the communication process</li> <li>▪ Identify Techniques of effective communication</li> </ul>	<b>Review of communication process</b> <ul style="list-style-type: none"> <li>▪ Process, elements and channels</li> <li>▪ Barriers and methods of overcoming</li> <li>▪ Techniques</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture/ Discussions</li> <li>▪ Role Plays</li> <li>▪ Exercise with audio-video tapes</li> </ul>	<ul style="list-style-type: none"> <li>▪ Respond to critical incidents</li> <li>▪ Long/ Short answer</li> <li>▪ Objective type</li> <li>▪ Anecdotal records</li> </ul>

Unit	Time (Hrs.)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
II	05	--	Establish Effective Inter-personal relations with patients, families and co-workers	<b>Interpersonal relations</b> <ul style="list-style-type: none"> <li>▪ Purpose and types <ul style="list-style-type: none"> <li>▪ Phases</li> <li>▪ Barriers to interpersonal relations</li> <li>▪ Methods of overcoming barriers</li> <li>▪ Johari Window</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture /discussions</li> <li>▪ Sociometry</li> <li>▪ Group Games</li> <li>▪ Psychometric exercises followed by discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Long/ Short answers</li> <li>▪ Objective type</li> </ul>
III	05	01	Develop effective Human relations In context of nursing	<b>Human Relations</b> <ul style="list-style-type: none"> <li>▪ Understanding self</li> <li>▪ social behavior Social attitudes</li> <li>▪ Individual and Group &amp; Groups and individual</li> <li>▪ Human relations in context of nursing</li> <li>▪ Group Dynamics</li> <li>▪ Team Work</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture / discussions</li> <li>▪ Group Games</li> <li>▪ Psychometric exercises followed by discussions</li> </ul>	<ul style="list-style-type: none"> <li>▪ Long/ short answers</li> <li>▪ Objective type</li> <li>▪ respond to test based on critical incidents</li> <li>▪ Anecdotal records</li> </ul>
IV	10	05	Develop basic skills of counseling and guidance	<b>Guidance and counseling</b> <ul style="list-style-type: none"> <li>▪ Definition, meaning, purpose, scope &amp; need.</li> <li>▪ Basic Principles</li> <li>▪ Areas of counseling</li> <li>▪ Organization of counseling services</li> <li>▪ Approaches to counseling</li> <li>▪ Attributes and skills of counselor</li> <li>▪ Issues for counseling in nursing students and nursing personnel</li> <li>▪ Counseling process steps &amp; techniques</li> <li>▪ Tools for collecting information</li> <li>▪ Problem solving approaches</li> <li>Management of crisis and referral</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture / discussions</li> <li>▪ Role play on counseling in different situations followed by discussions</li> </ul>	<ul style="list-style-type: none"> <li>Long/ short answers</li> <li>▪ Objective type</li> <li>Assess performance in role play situations</li> </ul>

Unit	Time (Hrs.)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
V	10	08	<ul style="list-style-type: none"> <li>▪ Describe the Philosophy and principles of education</li> <li>▪ Explain teaching learning process</li> </ul>	<p><b>Principles of Education &amp; Teaching Learning Process</b></p> <ul style="list-style-type: none"> <li>▪ Education: meaning philosophy aims, functions, &amp; principles</li> <li>▪ Nature &amp; characteristics of learning</li> <li>▪ Principles and maxims of learning</li> <li>▪ Domains of objectives &amp; formulation of general and specific objective</li> <li>▪ Lesson planning</li> <li>▪ Classroom management</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture / discussion</li> <li>▪ Exercise on writing objectives</li> <li>▪ Prepare lessons plan</li> <li>▪ Micro teaching</li> </ul>	<ul style="list-style-type: none"> <li>▪ Long/ Short answers</li> <li>▪ Objective type</li> <li>▪ Assess lesson plans</li> <li>▪ Assess teaching sessions</li> </ul>
VI	10	05	<ul style="list-style-type: none"> <li>▪ Demonstrate teaching skills in various teaching methods in clinical, classroom &amp; community settings.</li> </ul>	<p><b>Methods Of Teaching:</b></p> <ul style="list-style-type: none"> <li>▪ Lecture, demonstration</li> <li>▪ Group discussions, Seminar, Symposium, panel discussion, role play.</li> <li>▪ Project method field trip, workshop, exhibition</li> <li>▪ Computer assisted learning programmed instructions</li> <li>▪ Micro- teaching, Evidence based learning</li> <li>▪ Self instructional module, simulation etc.</li> </ul> <p><b>Clinical Teaching Methods:</b></p> <ul style="list-style-type: none"> <li>▪ Bedside Clinics, Case Method, Nursing rounds, morning &amp; afternoon reports</li> </ul> <p><b>Conferences:</b></p> <ul style="list-style-type: none"> <li>▪ Individual &amp; group,</li> <li>▪ Field visits, process recording</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture discussions</li> <li>▪ Conduct 5 teaching sessions using different methods and media</li> </ul>	<ul style="list-style-type: none"> <li>▪ Long / Short answers</li> <li>▪ Objective type</li> <li>▪ Assess teaching Sessions.</li> </ul>

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
VII	05	05	<ul style="list-style-type: none"> <li>▪ Prepare and use different types of educational media effectively</li> </ul>	<p><b>Educational Media</b></p> <ul style="list-style-type: none"> <li>▪ Purpose and types of Audio – visual and principles and sources etc.</li> <li>▪ <b>Graphic Aids:</b> Chalk board, Charts graph poster</li> <li>▪ Flash cards, flannel Graph, Bulletin Board, Cartoon</li> <li>▪ <b>Three Dimensional Aids:</b> Objects, specimens, models, &amp; puppets.</li> <li>▪ <b>Printed Aids:</b> Pamphlets &amp; leaflets.</li> <li>▪ <b>Projected Aids:</b> Slides overhead projector transparency preparation</li> <li>▪ Films, T.V. VCR / VCD</li> <li>▪ Camera, Microscope, LCD, DVD</li> <li>▪ <b>Audio Aids:</b> Tape recorder</li> </ul>	<ul style="list-style-type: none"> <li>▪ Lecture discussion</li> <li>▪ Demonstration</li> <li>▪ Prepare different teaching aids projected and non - projected</li> <li>▪ Prepare a programme for the given topic</li> <li>▪ Visit to dept of communication, &amp; educational technology</li> </ul>	<ul style="list-style-type: none"> <li>▪ Long/ Short answer</li> <li>▪ Objective type</li> <li>▪ Assess the teaching aids prepared</li> </ul>

Unit	Time (Hrs.)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
VIII	05	05	<ul style="list-style-type: none"> <li>Prepare different types of questions for assessment of knowledge, skills, and attitude</li> </ul>	<p><b>Assessment</b></p> <ul style="list-style-type: none"> <li>Purpose &amp; scope of evaluation &amp; assessment</li> <li>Criteria for selection of assessment technique and methods.</li> <li><b>Assessment of knowledge:</b> Essay Type Questions, Short answer questions (SAQ), Multiple choice questions (MCQ)</li> <li><b>Assessment Of Skills</b> Observation checklist, Practical exam, Viva, Objective Structured, Clinical examination (OSCE)</li> <li><b>Assessment of Attitudes :</b> Attitude Scales</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussion</li> <li>Exercise on writing different types of assessment tools</li> </ul>	<ul style="list-style-type: none"> <li>Long / Short answer</li> <li>Objective type</li> <li>Assess the strategies used in practice teaching</li> <li>Assess the different tools, prepared during exercise sessions.</li> </ul>
IX	05	--	<ul style="list-style-type: none"> <li>Teaching individual s groups and communities about health with their active participation</li> </ul>	<p><b>Information, Education &amp; Communication for Health (ICE)</b></p> <ul style="list-style-type: none"> <li>Health behavior and health education</li> <li>Principles of health education</li> <li>Health education with individuals, groups and communities</li> <li>Methods and media for communicat -ing health messages.</li> <li>Using mass media</li> <li>Planning health education.</li> </ul>	<ul style="list-style-type: none"> <li>Lecture discussio n</li> <li>Plan and conduct Health educatio n sessions for individua l group and communi -ties</li> </ul>	<ul style="list-style-type: none"> <li>Long / Short answer</li> <li>Objective type</li> <li>Assess the planning &amp; conductio n of the education -al session</li> </ul>

**Practicum / Lab:**

I	Observation of critical incidents:	2 hours
II	Role play on guidance and counseling	5 hours
III	Lesson plan preparation and conduction	8 hours
IV	Conducting teaching with using various methods	5 hours
V	Preparation of visual aids	5 hours
VI	Preparation of Assessment tools (Question paper, Check list and attitude skills)	5 hours

**30 hrs**

**BIBLIOGRAPHY:**

1. Bhatia, Kamala & Bhatia B.D.: The Principles and Methods of Teaching: Delhi, Doaba House, 1977.
2. Neeraja, Nursing Education, New Delhi, Jaypee Brother, 2004.
3. Safaya, Raghunath & Shaida, B.D. Educational Theory & Practice, Delhi, Dhanpat Row & Sons, 1974.
4. Bhatia, Hans Raj Elements of Educational Psychology, Bombay, Qnent Conpman, Sthed, 1973.

**EVALUATION SCHEME:****INTERNAL ASSESSMENT:****25 Marks**

A) Theory: 15 Marks

i) Mid-term Examination: 50 Marks

ii) Pre-final Examination: 75 Marks

Total: 125 Marks

(125 Marks to be converted in to 15 Marks for Internal Assessment (Theory))

B) Assignment / Practical:

10 Marks

SN	UNIT		Marks
1	I	Response to Critical Incidents using Anecdotal Record	10
2	III	Response to Critical Incidents using Anecdotal Record	10
3	IV	Response to Critical Incidents using Anecdotal Record	10
4	V	Lesson Plan Preparation and Conduction of 4 Teachings	100
5	VII	Visual Aid Preparation	50
6	VIII	Assessments of Tools-3 (Preparation of Question Paper, Check List, Attitude Scale.	45
<b>Total</b>			<b>225</b>
(225 Marks to be converted in to 10 Marks for Internal Assessment (Practical))			

**EXTERNAL ASSESSMENT: (Theory)**

University examination:

75 Marks

## 1) Format for Anecdotal Record

Name of the College :-

Name of Student observed :-

Class :-

Date :-

Subject :-

Place :-

Marks :-

Objective description of the incident as occurred.

Interpretation / comments of the observer.

Sign. of the observer

Date :

Note: 03 Incidents, 10 Marks each.

## 2) Evaluation Guideline for Teaching

Name of the college :-

Name of the student :-

Class :-

Date:-

Subject :-

Place:-

Topic of lesson :-

Marks:25

SN	Particulars	Marks Allotted	Marks Obtained
I.	<u>Lesson Plan.</u> <ul style="list-style-type: none"><li>• Objective lesson plan</li><li>• Adequacy of content / Sequencing</li><li>• Bibliography</li></ul>	2 2 2	
II	<u>Presentations</u> <ul style="list-style-type: none"><li>• Introduction</li><li>• Speech Clarity/Voice/language</li><li>• Relevance</li><li>• Knowledge regarding topic</li><li>• Co-relation with other subject.</li><li>• Questioning technique</li><li>• Group control</li></ul>	2 2 2 2 2 2 2	
III	<u>AV AIDS</u> <ul style="list-style-type: none"><li>• Appropriate</li><li>• Skills in use(including black board)</li><li>• Principles observed</li></ul>	1 1 1	
IV	Time Coverage & Summary & Assignments	2	
	Total	25 Marks	

Strengths:

Weakness:

Sign of the student's  
Date:

Sign of Evaluators  
Date:

Note: Four Teachings, 25 Marks each.

### 3) Evaluation Guideline for Visual Aid Preparation

Name of the college :-

Name of the student :-

Class :-

Date:-

Subject :-

Place:-

Name of Evaluator :-

Marks : 50

SN	Particulars	1	2	3	4	5
01.	Applicability to the topic.					
02	Appropriateness.					
03	Self prepared/ ready made.					
04	Materials used: economical/costly					
05	Attractive ness.					
06	Principles of visual aid preparation					
07	Display / visibility					
08	Message conveyed					
09	Relevance					
10	Effectiveness					
	Total					

Strengths:

Weakness:

Suggestions for improvement.

Sign. of evaluator

Date:

**4. Evaluation Guideline for Assessment of Tool**  
(Preparation of Question Paper / Check List / Attitude Scale)

Name of the college :-

Name of the student :-

Class :- Date:-

Subject :- Place:-

Name of the Evaluator :-

SN	Particulars	Marks Allotted	Marks Obtained
1	Preparation of blue print	3	
2	Content coverage	2	
3	Construction of item	2	
4	Principles followed for constructing items	2	
5	Objectivity	2	
6	Organizing & sequencing	2	
7	Marking scheme	2	
	Total	15	

Note: Same format to be used for Preparation of Question Paper / Check List / Attitude Scale.

Strengths:

Weakness:

Sign of the student  
Date:

Sign of Evaluators  
Date:

# COMMUNITY HEALTH NURSING- I

**Placement: Second year**

Theory - 90 Hours

Practical - 135 Hours

**Course Description:** This Course is designed for Students to appreciate the principles of promotion and maintenance of health

**Specific objectives:** At Specific objectives: AT the end of the course students are able to

1. Understand the concepts of community health and community health nursing
2. Appreciate the various factors influencing health in the community
3. Appreciate the concept, scope, uses and methods of epidemiology
4. Understand the epidemiology and nursing management of common communicable diseases.
5. Appreciate the concept and scope of demography
6. Understand the impact of population explosion and population control

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning	Assessment Method
I	4	<ul style="list-style-type: none"> <li>• Describe Concept and dimensions of health</li> </ul>	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Community health nursing</li> <li>• Definition , concept and dimensions of health</li> <li>• Determinants of health</li> <li>• Promotion of health indicators of health</li> <li>• Maintenance of health</li> </ul>	<b>Method</b> <ul style="list-style-type: none"> <li>• Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> </ul>
II	18	Describe determinants of health & Environment	<b>Determinants of health</b> <ul style="list-style-type: none"> <li>• Eugenics</li> <li>• <b>Physical</b> : Air, light</li> <li>• Environmental factors contributing Health Ventilation, water, Housing Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate,</li> <li>• <b>Bacterial &amp; Viral:</b> Agents, host carriers and immunity Arthropods and Rodents</li> <li>• Communication; Infrastructure facilities and Linkage</li> <li>• Insect, Rodent &amp; Parasite Control</li> <li>Noise Control</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning	Assessment Method
			<ul style="list-style-type: none"> <li>• Disposal of refuse/Sewage</li> <li>• Disposal of human excreta</li> <li>• Disposal of the dead</li> <li>• Involvement of governmental and non-governmental organizations in environmental health</li> <li>• Act Regulation the environment :National Pollution Control board</li> <li>• Public health Laws related to environment &amp; health</li> <li>• <b>Food hygiene:</b> Production, Preservation, Purchase, Preparation, consumption</li> <li>• Acts Regulating Food Hygiene-Prevention of food adulteration acts, Drugs and cosmetic act</li> <li>• Socio cultural aspects of nutrition in food hygiene</li> <li><b>Socio-Cultural</b></li> <li>• Customs, taboos</li> <li>• Marriage System</li> <li>• Family Structure</li> <li>• Status of special Group; Females ,Children Elderly, Challenged Groups and Sick persons</li> <li>• Life Style</li> <li>• Hygiene</li> <li>• Physical Activity</li> <li>• Recreation and Sleep</li> <li>• Sexual life</li> <li>• Spiritual life philosophy</li> <li>• Self Reliance</li> <li>• Dietary pattern</li> <li>• Education</li> <li>• Occupation</li> <li>• Financial Management</li> <li>• Income</li> <li>• Budge</li> <li>• Purchasing power</li> <li>• Security</li> </ul>	<p>Lecture discussion          Explain using          Charts,          Graphs,          Models, films          slides          Visits to water supply, sewage disposal, milk plants, slaughter house etc.</p>	<p>Essay type          Short answers          Objective type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning	Assessment Method
III	10	<ul style="list-style-type: none"> <li>Describe concept aims, scope, uses Methods and approach of epidemiology</li> </ul>	<b>Epidemiology</b> <ul style="list-style-type: none"> <li>Definition ,concept ,Aims, scope uses and</li> <li>terminology used in epidemiology used in</li> <li>epidemiology</li> <li>Dynamics of Disease transmission:</li> <li>epidemiological triad</li> <li>Morbidity and mortality:</li> <li>Measurements</li> <li>Levels of Prevention</li> <li>Methods of epidemiology of</li> <li>Descriptive</li> <li>Analytical : Epidemic investigation</li> <li>Experimental</li> </ul>	Lecturer discussion  Explain using Charts, graphs,  Models, films, slides	Essay type Short answers
IV	18	Describe Epidemiology and nursing management of common Communicable diseases	<b>Epidemiology and nursing management of common Communicable Diseases</b> <b>Respiratory infections</b> <ul style="list-style-type: none"> <li>Small Pox</li> <li>Chicken Pox</li> <li>Measles</li> <li>Influenza</li> <li>Rubella</li> <li>ARIs &amp; Pneumonia</li> <li>Mumps</li> <li>Diphtheria</li> <li>Whooping cough</li> <li>Meningococcal meningitis</li> <li>Tuberculosis</li> <li>SARS</li> </ul> <b>Intestinal Infections</b> <ul style="list-style-type: none"> <li>Poliomyelitis</li> <li>Viral Hepatitis</li> <li>Cholera</li> <li>Diarrhoeal diseases</li> <li>Typhoid Fever</li> <li>Food poisoning</li> <li>Amoebiasis</li> <li>Dracunculiasis</li> </ul> <b>Arthropod infections</b> <ul style="list-style-type: none"> <li>Dengue</li> <li>Malaria</li> <li>Filariasis</li> <li>Zoonoses</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning	Assessment Method
			<b>Viral</b> <ul style="list-style-type: none"> <li>• Rabies</li> <li>• Yellow fever</li> <li>• Japanese encephalitis</li> <li>• Kyasnur Forest Diseases</li> </ul> <b>Bacterial</b> <ul style="list-style-type: none"> <li>• Brucellosis</li> <li>• Plague</li> <li>• Human Salmonellosis</li> <li>• Anthrax</li> <li>• Leptospirosis</li> </ul> <b>Rickettsial diseases</b> <ul style="list-style-type: none"> <li>• Rickettsial Zoonoses</li> <li>• Scrub typhus</li> <li>• Murine typhus</li> <li>• Tick typhus</li> <li>• Q fever</li> </ul> <b>Parasitic zoonoses</b> <ul style="list-style-type: none"> <li>• Taeniasis</li> <li>• Hydatid disease</li> <li>• Leishmaniasis</li> </ul> <b>Surface infection</b> <ul style="list-style-type: none"> <li>• Trachoma</li> <li>• Tetanus</li> <li>• Leprosy</li> <li>• STD &amp; RTI</li> <li>• Yaws HIV</li> </ul> <b>Any other</b>	Lecturer discussion  Explain using Charts, Graphs  Models, films, slides  Seminar Supervised field Practice-health centers, clinics and homes Group projects/ Health education	Essay type  Short answers  Objective type
V	8	Describe Epidemiology and nursing management of common Non-Communicable diseases	<b>Epidemiology and nursing management of Non-communicable diseases</b> <ul style="list-style-type: none"> <li>• Malnutrition: under nutrition, over nutrition, nutritional deficiencies</li> </ul> Anemia Hypertension Stroke Rheumatic Heart Diseases Coronary Heart Diseases Cancer Diabetes mellitus Blindness Accidents Mental illness Obesity Iodine Deficiency Fluorosis Epilepsy Asthma Arthritis	Lecture discussion Explain using Charts, graphs, Models, films, slides, Seminar Supervised field Practice-health centers, clinics and homes group projects / Health education	Essay type  Short answers  Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning	Assessment Method
VI	6	Describe the concepts And scope of demography Describe methods of data collection, analysis and interpretation of demographic data	<b>Demography</b> <ul style="list-style-type: none"> <li>• Definition, concept and scope</li> <li>• Demography cycle</li> <li>• Methods of data collection, analysis and interpretation of demographic data</li> <li>• Demographic rates and ratios</li> </ul>		Essay type Short answers  Objective type  Assessment of survey report
VII	17	<ul style="list-style-type: none"> <li>• Identify the impact of population explosion in India</li> <li>• Describe methods of population control</li> </ul>	<b>Population and its control</b> <ul style="list-style-type: none"> <li>• Population explosion, its impact on social, economic development of individual, society and country</li> <li>• Population control:</li> <li>• Overall development: women empowerment, social, economic and educational development</li> <li>• Limiting family size:               <ul style="list-style-type: none"> <li>➤ Promotion of small family norms</li> <li>➤ Methods: spacing (natural, biological, chemical, mechanical, etc)</li> <li>➤ Terminal: surgical methods</li> <li>➤ Emergency contraception</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Population survey</li> <li>• Counseling</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised field practice</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Population survey</li> <li>• Counseling</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Supervised field practice</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning	Assessment Method
VIII	9	<ul style="list-style-type: none"> <li>• Describes concepts &amp; scope of community health service</li> <li>• Understand the health assessment of individual &amp; family while providing family oriented care</li> <li>• Understand the functions of urban &amp; rural health centers including health Team Members</li> <li>• Understands ethics in community health nursing practice</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Introduction to community Health nursing service</b></li> <li>• Concepts, Definition &amp; scope of community health nursing services</li> <li>• Introduction to family oriented health care (assessment of individual &amp; family)</li> <li>• Home visit : concepts, steps, principles , advantages</li> <li>• Functions of urban &amp; rural health centre including health Team Member</li> <li>• Ethics in community health nursing practice</li> <li>• Consumers Protection Act</li> </ul>		

# COMMUNITY HEALTH NURSING - I

## PRACTICAL

**Placement: Second year**

**135 Hours**

### **Objective of Practical Experience: (CHN – Practical I)**

At the end of the Practical Experience:

1. Student will develop skills in assessment of an individual and develop rapport with family and community at large.
2. Students will be able to find out health needs of the clients & family to provide family oriented health care in Urban and Rural Community.
3. Students will attend different health clinics to know various laboratory investigations (simple investigations enlisted in the curriculum)
4. To be able to conduct immunization clinics.
5. To practice health education at different settings in the Urban and Rural community.
6. To write family health care study based on nursing process approach.

### **Distribution of practical HRS:**

#### **I) Urban Public Health Experience: 70 Hrs.**

- |   |        |
|---|--------|
| 1) Community Health NSG. Laboratory / Classroom Practice: | 15 Hrs |
| a) Demonstration of Home visiting                         |        |
| b) Demonstration of Home Nursing procedures.              |        |
| c) Preparation of family folder                           |        |
| 2) Family oriented care:                                  | 35 Hrs |
| a) Assessment of individuals                              |        |
| b) Home visiting writing family care study.               |        |
| c) Simple family / community health survey                |        |
| d) Reporting & Recording                                  |        |
| 3) Visits to community Health agency / NGOS:              | 10 Hrs |
| 4) Health Education:                                      | 10 Hrs |

#### **II) Rural Public Health Experience: 65 Hrs (2 weeks)**

- |   |        |
|---|--------|
| 1) Visit to primary health centre & Rural Hospital:       | 25 Hrs |
| 2) Attending immunization & ANC Clinics:                  | 20 Hrs |
| 3) Home visits for assessment & planning home care:       | 10 Hrs |
| 4) Health Education in clinics / school / Anganwadi etc.: | 10 Hrs |

Areas	Duration (in week)	Objective	Skills	Assignments	Assessment methods
Community health nursing	2 wks Urban & 2 wks rural	<ul style="list-style-type: none"> <li>• Build &amp; Maintain report</li> <li>• Identify demographic Characteristics, health determinants &amp; community health resources</li> <li>• Diagnose health needs of individual &amp; families</li> <li>• Provide primary care in health centre</li> <li>• Counsel &amp; educate individual family &amp; community</li> </ul>	<ul style="list-style-type: none"> <li>• Use Techniques of interpersonal relationship</li> <li>• Identification of health determinants of community</li> <li>• History taking</li> <li>• Physical examination</li> <li>• Collect specimens-sputum malarial smear</li> <li>• Perform simple lab tests at centre-blood for Hemoglobin and sugar, urine for albumin and Sugar</li> <li>• Administer vaccines and medications to adults</li> <li>• Counsel and teach individual, family and community</li> <li>• Nutrition</li> <li>• Hygiene</li> <li>• Self health monitoring</li> <li>• Seeking health Services</li> <li>• Healthy life style</li> <li>• Family welfare methods</li> <li>• Health promotions</li> </ul>	<ul style="list-style-type: none"> <li>• To work with 2 assigned families each in urban &amp; rural</li> <li>• Family study-I</li> <li>• Observation report of community-1</li> <li>• Health talks-2 (1 in urban and in rural)</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of family study observation report health talk</li> <li>• Completion of activity record.</li> </ul>

## **BIBLIOGRAPHY:**

1. K.Park, Textbook of Preventive & Social Medicine- current edition
2. K.Park, Essentials of Community Health Nursing
3. Rao kasturi, An Introduction to Community Health Nursing, I publications.
4. Freeman Ruth, Community Health Nursing Practice.
5. Stanthope Lancaster, Community Health Nursing Process & Practice, Popular publication.
6. Basavantappa B.T., Community Health Nursing
7. Sathe , Epidemiology & management of Health Care , Popular publication
8. Mahajan Gupta, Textbook of Preventive & Social Medicine, Jaypee Publications
9. Lancaster, Community Health Nursing Process and Practice for Promoting Health , Mosby Publications.

## **EVALUATION SCHEME:**

### **Internal assessment:     Maximum Marks 25**

#### **A) Theory: 15 Marks**

- |                          |                  |
|--------------------------|------------------|
| i) Mid-term Examination: | 50 Marks         |
| ii) Pre-final:           | 75 Marks         |
|                          | Total: 125 Marks |

(125 Marks to be converted in to 15 Marks for I. A. (Theory))

#### **B) Practicum: 10 Marks**

- |   |                  |
|---|------------------|
| i) Clinical Evaluation                  |                  |
| Community health Nursing Practice:      | 100 Marks        |
| ii) Family Care Study:                  | 50 Marks         |
| iii) Health Teaching (2 X 25 Marks):    | 50 Marks         |
| iv) Community Visit Observation report: | 25 Marks         |
|   | Total: 225 Marks |

(225 Marks to be converted in to 10 Marks for I. A. (Practicum))

### **External assessment**

University examination: Theory     75 Marks

**II YEAR BASIC B.Sc. NURSING**  
**SUBJECT: - COMMUNITY HEALTH NURSING**  
**CRITERIA FOR CLINICAL EXPERIENCE**

**1. CLINICAL EVALUATION PROFORMA**

Name of Student: \_\_\_\_\_ Year: \_\_\_\_\_

Area of Community Health Nursing

Evaluator:

Period Under Evaluation From: \_\_\_\_\_ to: \_\_\_\_\_

- Rating: 1 – In many respects fails to meet recruitment satisfactorily  
 2 – Meets many requirements but deficient in important aspect  
 3 – Average, clearly meets basic requirements satisfactorily.  
 4 – Clearly exceeds basic requirements, respecting superior  
 5 – Outstanding in all respects.

*Instruction:*

- 1) Application of theory to practice is considered through out the experiences.
- 2) Written explanation must be over extreme grades.

**(Maximum Marks – 100)**

SN	Areas	Rating				
		1	2	3	4	5
<b>I</b>	<b>Knowledge and understanding about family</b>					
	1. Studies family health record and collects significant data					
	2. Interprets significant data based on knowledge of community Health / Community Health Nursing.					
<b>II</b>	<b>Home Visit</b>					
	3. Preplans are written based on the health needs of the family and identified goals					
	4. Planning and organization of home visit					
	5. Establishers report with the family and able to communicate effectively and tactfully with different individual / groups					
<b>III</b>	<b>Health Assessment and Observation</b>					
	6. Does Physical health assessment					
	7. Identifies deviation from normal and set priorities in home care activities					
	8. Plans and implements home care based on preset goals and health needs					
	9. Carry outs simple home procedures					

SN	Areas		Rating				
			1	2	3	4	5
<b>IV</b>	<b>Nursing Activities carried out:</b>						
	10.	Application of scientific principles					
	11.	Technical skills with necessary modification and completeness of the procedure					
	12.	Involvement and participating of the family members					
	13.	Interpretation, reporting, recording of results					
	14.	Takes, corrective action, follow standing orders & selects appropriate referral agencies.					
<b>V</b>	<b>Health information health teaching</b>						
	15.	Uses every opportunity for incidental / planned teaching for individual and group					
	16.	Uses appropriate teaching learning principles					
<b>VI</b>	<b>Post Visit</b>						
	17	Reports significant information					
	18	Completes records, promptly, precisely and accurately.					
<b>VIII</b>	<b>Professional qualities</b>						
	19	Professional appearance					
	20	Interest, initiative, resourcefulness, responsible, leadership and attitude, response to constructive criticism and suggestions.					
<b>Total Marks :</b>			<b>Percentage :</b>			<b>Grade :</b>	

Remarks / comments by the Supervisor:

(In terms of strengths and weaknesses)

Date of evaluation discussed

Signature of the student that

She/he has seen the evaluation

Signature of Supervisor

## **2. GUIDE LINE FOR FAMILY CARE STUDY:**

- 1) Introduction & objectives
- 2) Assessment of data – subjective & objective
  - i) Data related to
    - Environment & Sanitation
    - Immunization status of <5 children
    - Family planning practices
    - Nutritional status
    - Chronic health problems in the family
  - ii) Assessment of family members and writing health summary specifically vulnerable groups and high risk individuals (including physical, mental and social health aspects.)
- 3) Health needs identification on priority basis considering family as unit of Service
- 4) Planning for Family Oriented Care (FOC)
  - i) Objective of FOC
  - ii) Short term Home nursing care plan
  - iii) Long term Home nursing care plan
- 5) Implementation of FOC, with scientific rationale; adaptation in home situation.
- 6) Technique & skill in home nursing procedures with rationale
- 7) Planning & implementing health teaching
  - i) Individual or group
  - ii) Use of simple AV aids
- 8) Specific dietary plan & nutrition rehabilitation
- 9) Drug study and home care if necessary
- 10) Evaluation of home nursing care
  - i) Review short & long term plan
  - ii) Re-planning and future plans
- 11) Use of table and groups where ever necessary.

## EVALUATION CRITERIA FOR FAMILY HEALTH CARE STUDY

Name of the student:

Field placement:

Year:

Period:

(Maximum Marks: 50)

SN	Criteria	Marks Allotted	Marks Obtained	Total
1	Introduction & Objective	02		
2	Data Subjective	03		
3	Data objective	05		
4	Assessment of Family members (physical mental & social)	03		
5	Health needs identified	03		
6	Planning for family health nursing care (including short term & long term plan)	06		
7	Implementation of home nursing care plan with scientific rationale	06		
8	Health education planning & implementation	04		
9	Planning for diet	03		
10	Drugs study & home care	03		
11	Evaluation : - Out come of family health care - Self learning as a Nurse	02 02		
12	Future plan	03		
13	Conclusion & suggestion	02		
14	Use of table / graphs etc.	03		
	<b>Total</b>	<b>50</b>		

Remarks

Evaluation discussed Sing. Of Supervisor

Remarks

Evaluation discussed Sing. Of Student

### 3. PROFORMA & GUIDELINE FOR HEALTH TEACHING

#### Topic Selected :-

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

SN	Time	Specific objectives	Content	Teaching Learning Activities	AV Aids	Evaluation

(Maximum Marks: 25)

SN	Criteria	Marks Allotted	Marks Obtained	Total
1	Lesson Plan.	08		
2	Presentation.	05		
3	Communication skill.	05		
4	Preparation & effective use of A V. Aids.	04		
5	Group participation.	03		
	<b>Total</b>	<b>25</b>		

Note: Two Teaching of 25 Marks each.

Remarks

Evaluation discussed  
& Students Signature  
Date:

Sing. Of Supervisor  
Date:

## COURSE OF INSTRUCTION SECOND YEAR B.SC. NURSING

SN	Subject	Theory		Clinical	In hrs
		Classroom	Lab		
1	Sociology	60			
2	Pharmacology	35	10		
3	A) Pathology &	23	07		
4	B) Genetics	15			
5	Medical – Surgical Nursing – I	170	40	720	
6	Community Health Nursing - I	90		135	
7	Communication and Educational Technology	60	30		
8	Library Work / Self Study				50
9	Co-curricular Activities				35
	<b>Total</b>	453	87	855	85
<b>Total Hours 1480</b>					

## SCHEME OF EXAMINATION

SN	Subject	Hours	Internal Assessment	External Exam	Total
1	Sociology	3	25	75	100
2	Medical – Surgical Nursing-I	3	25	75	100
3	Pharmacology Pathology & Genetics	3	25	75	100
4	Community Health Nursing-I	3	25	75	100
5	Communication and Educational Technology	3	25	75	100
6	<b>Practical and viva voce</b> Medical – Surgical Nursing-I	--	100	100	200
<b>Grand total</b>					<b>700</b>

## SCHEME OF INTERNAL ASSESSMENT

### THEORY:

SN	Subjects	Type of Test & Assignment	Marks	Total Marks	Marks Calculated and send to University out of Internal Assessment
1	Sociology	Mid-term	50	125	25
		Pre-final	75		
2	Medical Surgical Nursing-I	Mid-term	50	125	25
		Pre-final	75		
3	Pharmacology, Pathology and Genetics	<b>Pharmacology</b>		125	15
		Mid-term	30		
		Pre-final	40		
		<b>Pathology and Genetics</b>			
		Mid-term	20		
		Pre-final	35		
3	Pharmacology, Pathology and Genetics	<b>Assignments</b>		50	10
		Pharmacology- Drug Study	25		
		Pathology – Preparation of patients for various investigations	25		
4.	Community Health Nursing	Mid-term	50	125	15
		Pre-final	75		
		<b>Assignment</b>		225	10
		Family Health Care Study-1	50		
		Observation Report of Community-1	25		
		Health talks-2 (2 X 25 Marks)	50		
Clinical Evaluation-1	100				
5	Communication & Education Technology	Mid-term	50	125	15
		Pre-final	75		
		<b>Assignment</b>		225	10
		Response to Critical Incidents using Anecdotal Record (3 X 10 Marks)	30		
		Lesson Plan Preparation & Conduction of four Teaching (4 X 25 Marks)	100		
		Visual Aid Preparation	50		
Assessment Tools (3 X 15 Marks)		45			
1. Preparation of question paper, 2. Check list, 3. Attitude Scale					

**SCHEME OF INTERNAL ASSESSMENT**

**PRACTICAL:**

<b>SN</b>	<b>Subjects</b>	<b>Type of Test &amp; Assignment</b>	<b>Marks</b>	<b>Total Marks</b>	<b>Marks Calculated and send to University out of Internal Assessment</b>
6	<b><i>Practical -</i></b> Medical Surgical Nursing – I	Mid-term Exam.	50	725	100
		Pre-final Exam.	100		
		Nursing Care Plan-03 (3 X 25 Marks) 1. Medical Ward-01, 2. Surgical Ward-01, 3. Ortho / Any Other-01	75		
		Case Presentation-01	50		
		Case Study-02 (2 X 50 Marks) 1. Medical Ward-01, 2. Surgical Ward-01	100		
		Health Education-01	25		
		Therapeutic Diet-01	25		
		Clinical Evaluation-03 (3 X 100 Marks) 1. Medical Ward-01, 2. Surgical Ward-01, 3. OT / Any Other-01	300		

# PHARMACOLOGY

Placement: Second Year

Theory – 45 Hours  
(Class 35 Hours + Lab 10 Hours)

**Course Description:** This course is designed to enable students to acquire understanding of pharmacodynamics, pharmacokinetics, principles of therapeutics and nursing implications.

**Specific objectives:** at the end of the course the students are able to:

1. Understand the basic concepts of pharmacology
2. Understand the pharmacology of common chemotherapeutics.
3. Understand common antiseptics, disinfectants and insecticides.
4. Understand drug acting on various systems of human body.
5. Appreciate alternative systems of medicines.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	2	Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration	<b>Introduction to Pharmacology</b> <ul style="list-style-type: none"><li>• Definitions</li><li>• Sources</li><li>• Terminology use</li><li>• Types: Classification</li><li>• Pharmacodynamics: Actions, therapeutic</li><li>• Adverse, toxic</li><li>• Pharmacokinetics: Absorption, distribution, metabolism, interaction, excretion</li><li>• Review: Routes and principles of administration of drugs</li><li>• Indian pharmacopoeia: Legal issues</li><li>○ Storage of various drugs</li><li>○ Calculation of drug dosage</li><li>• Rational use of drugs</li><li>• Principles of therapeutics</li></ul>	<ul style="list-style-type: none"><li>• Lecture</li><li>• Discussion</li></ul>	<ul style="list-style-type: none"><li>• Short answers</li><li>• Objective type</li></ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
II	5	Explain chemotherapy of specific infections and infestations and nurse's responsibilities	<p><b>Chemotherapy</b> Pharmacology of commonly used:</p> <ul style="list-style-type: none"> <li>• Penicillin</li> <li>• Cephalosporins</li> <li>• Aminoglycosides</li> <li>• Macrolide &amp; Broad Spectrum Antibiotics</li> <li>• Sulfonamides</li> <li>• Quinolones</li> <li>• Antiamoebic</li> <li>• Antimalarials</li> <li>• Anthelmintics</li> <li>• Antiscabies agents</li> <li>• Antiviral &amp; Antifungal agents</li> <li>• Antitubercular drugs</li> <li>• Antileprosy drugs</li> <li>• Anticancer drugs</li> <li>• Immuno-suppressants</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity &amp; role of nurse.</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ Presentation</li> </ul> <p>○ field visits/ educational trips to pharmaceutical farms / companies</p> <p>○ Pharmacological management of clinical conditions.</p> <p>○ Practical classes in the pharmacology department like administration \of injections and medications</p>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
III	2	Describe antiseptics, disinfectants, insecticides and nurse's responsibilities	<p><b>Pharmacology of commonly used antiseptics, disinfectants and insecticides</b></p> <ul style="list-style-type: none"> <li>• Antiseptics: Composition, action, dosage, route, indications, contraindications, drug interactions, side-effects, adverse effects, toxicity, and role of nurse</li> <li>• Disinfectants</li> <li>• Insecticides</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ Presentation</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
IV	2	Describe drugs acting gastro-intestinal system and nurse's responsibilities	<p><b>Drugs acting on G I System</b> Pharmacology of commonly used</p> <ul style="list-style-type: none"> <li>• Antiemetics</li> <li>• Emetics</li> <li>• Purgatives</li> <li>• Antacids</li> <li>• Cholinergic</li> <li>• Anticholinergics</li> <li>• Fluid and Electrolyte therapy</li> <li>• Antidiarrhoeals</li> <li>• Histamines</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity &amp; role of nurse.</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
V	2	Describe drugs used on Respiratory systems and nurse's responsibilities	<p><b>Drugs used on Respiratory System</b> Pharmacology of commonly used</p> <ul style="list-style-type: none"> <li>• Antiasthmatics</li> <li>• Mucolytics</li> <li>• Decongestants</li> <li>• Expectorants</li> <li>• Antitussives</li> <li>• Bronchodilators</li> <li>• Broncho constrictors</li> <li>• Antihistamines</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity &amp; role of nurse.</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
VI	2	Describe drugs used on Urinary systems and nurse's responsibilities	<p><b>Drugs used on Urinary System</b> Pharmacology of commonly used</p> <ul style="list-style-type: none"> <li>• Diuretics and Antidiuretics</li> <li>• Urinary antiseptics</li> <li>• Cholinergics and anticholinergics</li> <li>• Acidifiers and alkalanizers</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity &amp; role of nurse.</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VII	3	Describe drugs used in deaddiction, emergency, deficiency of vitamins & minerals, positioning, for immunization and immunosuppression and nurse's responsibilities	<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>• Drugs used in deaddiction</li> <li>• Drugs used in CPR &amp; emergency</li> <li>• Vitamins and minerals</li> <li>• Immunosuppressants</li> <li>• Antidotes</li> <li>• Antivenom</li> <li>• Vaccines and Sera</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
VIII	1	Describe drugs used on skin and mucous membranes and nurse's responsibilities	<b>Drugs used on skin and mucus membranes</b> <ul style="list-style-type: none"> <li>• Topical applications for skin, eye, ear, nose, and buccal cavity</li> <li>• Antipruritics</li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse.	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
IX	5	Describe drugs used on Nervous system and nurse's responsibilities	<b>Drugs acting on Nervous System</b> Basic & applied pharmacology of commonly used: <ul style="list-style-type: none"> <li>• Analgesics &amp; Anesthetics               <ul style="list-style-type: none"> <li>➤ Analgesics                   <ul style="list-style-type: none"> <li>- Nonsteroidal anti-inflammatory (NSAID) drugs</li> </ul> </li> <li>➤ Antipyretics</li> <li>➤ Hypnotics and sedatives                   <ul style="list-style-type: none"> <li>- Opioids</li> <li>- Non opioids</li> <li>- Tranquilizers</li> <li>- General &amp; local anaesthetics</li> <li>- Gases – Oxygen, nitrous oxide, Carbon dioxide</li> </ul> </li> </ul> </li> <li>• Cholinergic &amp; anticholinergics:               <ul style="list-style-type: none"> <li>Muscle relaxants</li> <li>Major tranquilizers</li> <li>Anti psychotics                   <ul style="list-style-type: none"> <li>➤ Antidepressants</li> <li>➤ Anticonvulsants</li> <li>➤ Adrenergics</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/ presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> <li>➤ Noradrenergics</li> <li>➤ Mood stabilizers</li> <li>➤ Acetylcholine</li> <li>➤ Stimulants</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity &amp; role of nurse.</p>		
X	4	Describe drugs used on Cardiovascular system and nurse's responsibilities	<p><b>Cardiovascular Drugs</b></p> <ul style="list-style-type: none"> <li>• Haematinics</li> <li>• Cardiotonics</li> <li>• Anti anginals</li> <li>• Antihypertensives &amp; vasodilators</li> <li>• Anti-arrhythmics</li> <li>• Plasma expanders</li> <li>• Coagulants &amp; anticoagulants</li> <li>• Antiplatelets &amp; thrombolytics <ul style="list-style-type: none"> <li>• Hypolipidemics</li> </ul> </li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity &amp; role of nurse.</p>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
XI	3	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<p><b>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</b></p> <ul style="list-style-type: none"> <li>• Insulin &amp; Oral hypoglycemics</li> <li>• Thyroid supplements &amp; suppressants</li> <li>• Steroids , Anabolics</li> <li>• Uterine stimulants &amp; relaxants</li> <li>• Oral contraceptives</li> <li>• Other estrogen – progesterone preparations</li> <li>• Corticotrophine &amp; Gonadotropines</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Drug study/presentations</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Contentss	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> <li>• Adrenaline</li> <li>• Prostaglandins</li> <li>• Calcitonins</li> <li>• Calcium salts</li> <li>• Calcium regulators</li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity & role of nurse.		
XII	4	Demonstrate awareness of the common drugs used in alternative system of medicine	<b>Introduction to drugs used in alternative system of medicine</b> <ul style="list-style-type: none"> <li>• Ayurveda, Homeopathy, Unani and Siddha etc</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Observational visits</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

### **Lab: 10 Hrs**

Administration of medications-oral

Administration of medications –Subcutaneous, intramuscular and intravenous injections

Visits to: -

Allopathy Pharmaceutical farm / company

Ayurveda Pharmaceutical farm / company

Homeopathy Pharmaceutical farm / company

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# PATHOLOGY AND GENETICS

**Placement: Second Year**

**Theory – 45 Hours**

**Pathology - 30 Hrs (Class 23 + Lab 07 Hrs)**

**Genetics – 15 Hrs**

## A: PATHOLOGY

**Course Description:** This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

**Specific objectives:** At the end of the course students are able to:

1. Understand the basic concepts of pathology.
2. Understand the pathophysiological changes in different system disorders.
3. Assist for various pathological tests conducted in the clinical field.
4. Collect and send the pathological tests and infer their results with patient conditions.

Unit	Time (Hrs)		Objectives	Content	Teaching Learning activities	Assessment methods
	Th.	Pr.				
I	3		1. Define the common terms used in pathology 2. Appreciate the deviations from normal to abnormal structure and functions of the body system	<b>General Pathology</b> <ul style="list-style-type: none"> <li>o Introduction to pathology</li> <li>o Review of cell and tissues                             <ul style="list-style-type: none"> <li>• Definition of terms</li> <li>• Methods &amp; techniques</li> <li>• Cellular &amp; tissue changes</li> <li>• Infiltration and regeneration</li> <li>• Inflammations and infections</li> <li>• Wound healing and repair</li> </ul> </li> <li>o Nature of injuries, adaptive responses, reversible &amp; irreversible cell injury</li> <li>o Cell accumulations Vascular changes</li> <li>Cellular growth and neoplasms                             <ul style="list-style-type: none"> <li>• Normal and cancer cell</li> <li>• Benign and malignant growths</li> <li>• In situ carcinoma</li> </ul> </li> <li>Disturbances of fluid and electrolyte balance, role of nurse</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
II	10	03	Explain pathological changes in disease conditions of various systems	<b>Systemic Pathology</b> <ul style="list-style-type: none"> <li>• Pathological changes in disease conditions of various systems:</li> <li>• Respiratory tract                             <ul style="list-style-type: none"> <li>➤ Tuberculosis, Bronchitis,</li> <li>➤ Pleural effusion &amp; Pneumonia</li> <li>➤ Lung abscess, emphysema, bronchiectasis</li> <li>➤ Bronchial asthma, chronic obstructive pulmonary disease and tumours.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts, slides, specimen, x-rays and scans</li> <li>• Visit to pathology lab, endoscopy unit and OT</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)		Objectives	Content	Teaching Learning activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> <li>• Cardiovascular system <ul style="list-style-type: none"> <li>➤ Pericardial effusion</li> <li>➤ Rheumatic heart disease</li> <li>➤ Infective endocarditis, atherosclerosis</li> <li>➤ Ischemia, infarction &amp; aneurism</li> </ul> </li> </ul>		
I	3			<ul style="list-style-type: none"> <li>• Gastrointestinal tract <ul style="list-style-type: none"> <li>➤ Peptic ulcer, Typhoid</li> <li>➤ Carcinoma of GI tract – buccal, esophageal, gastric and intestinal</li> </ul> </li> <li>• Liver, Gall bladder &amp; pancreas <ul style="list-style-type: none"> <li>➤ Hepatitis, chronic liver abscess, Cirrhosis</li> <li>➤ Tumours of liver, gall bladder and pancreas</li> <li>➤ Cholecystitis</li> </ul> </li> <li>• Kidneys &amp; Urinary tract <ul style="list-style-type: none"> <li>➤ Glomerulonephritis, pyelonephritis</li> <li>➤ Calculi, Renal failure, Renal carcinoma &amp; Cystitis</li> <li>➤ Diabetes Mellitus</li> </ul> </li> <li>• Male genital system <ul style="list-style-type: none"> <li>➤ Cryptorchidism, testicular atrophy</li> <li>➤ Prostatic hyperplasia, Carcinoma penis &amp; prostate</li> </ul> </li> <li>• Female genital system <ul style="list-style-type: none"> <li>➤ Fibroids</li> <li>➤ Carcinoma cervix &amp; endometrium</li> <li>➤ Vesicular mole, choriocarcinoma</li> <li>➤ Ectopic gestation</li> <li>➤ Ovarian cyst &amp; tumours</li> </ul> </li> <li>• Cancer breast</li> <li>• Central Nervous System <ul style="list-style-type: none"> <li>➤ Vascular disorders – thrombosis, embolism</li> <li>➤ Stroke, paraplegia, quadriplegia</li> <li>➤ Tumours, meningiomas- gliomas</li> </ul> </li> <li>• Metastatic tumour</li> <li>• Skeletal system <ul style="list-style-type: none"> <li>➤ Bone healing, osteoporosis, osteomyelitis</li> </ul> </li> <li>• Arthritis and tumours</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)		Objectives	Content	Teaching Learning activities	Assessment methods
	Th.	Pr.				
III	4	2	Describe various laboratory test in assessment and monitoring of disease conditions	<p><b>Haematology &amp; Pathology</b></p> <ul style="list-style-type: none"> <li>• Various blood and bone marrow tests in assessment and monitoring of disease conditions <ul style="list-style-type: none"> <li>➤ Hemoglobin</li> <li>➤ RBC, white cells &amp; platelet counts</li> <li>➤ Bleeding time, clotting time and prothrombin time</li> <li>➤ Blood grouping and cross matching</li> <li>➤ Blood chemistry</li> <li>➤ Blood culture</li> <li>➤ Serological and immunological tests</li> <li>➤ Other blood tests</li> <li>➤ Examination of bone marrow</li> <li>➤ Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiological tests, inference and normal values</li> </ul> </li> <li>o Nurse's role in collection and dispatch of various samples for laboratory tests.</li> <li>o Universal safety precautions</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
IV	2	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<p><b>Examination of body cavity fluids, transudates and exudates</b></p> <ul style="list-style-type: none"> <li>• The laboratory tests used in CSF analysis</li> <li>• Examination of other body cavity fluids, transudates and exudates- sputum, wound discharge etc.</li> <li>• Analysis of gastric and duodenal contents</li> <li>• Analysis of semen- sperm count, motility and morphology and their importance in infertility</li> <li>• Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values.</li> <li>• Nurse's role in assisting and preparing the patient for these diagnostic tests</li> </ul>	<p>Lecture</p> <ul style="list-style-type: none"> <li>• Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• short answers</li> <li>• Objective type</li> </ul>

Unit	Time (Hrs)		Objectives	Content	Teaching Learning activities	Assessment methods
	Th.	Pr.				
				• O		
V	1	1	Describe the laboratory tests for examination of Urine and Faeces	<b>Urine &amp; Faeces</b> <ul style="list-style-type: none"> <li>• Urine <ul style="list-style-type: none"> <li>➤ Physical characteristics</li> <li>➤ Analysis</li> <li>➤ Culture and sensitivity</li> </ul> </li> <li>• Characteristics <ul style="list-style-type: none"> <li>➤ Characteristics</li> <li>➤ Stool examination: occult blood, ova, parasite and cyst, reducing substance etc.</li> </ul> </li> <li>• Methods of collection for various tests, inference and normal values</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

### Lab – 07 Hrs

#### Museum specimens of,

- Respiratory disorders
- Tuberculosis
- Cardiovascular disorders-IE, RHD, Hypertension, MI
- Ulcers of GIT
- Hepatobiliary disorders
- Renal diseases
- Female genital tract

#### Visits to:-

- Pathology lab
- Endoscopy unit
- Operation Theatre
- Routine examination of urine
- Hb estimation
- Cell counts

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# B – GENETICS

Placement: Second Year

Theory – 15 Hours

**Course Description:** This course is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases.

**Specific objectives:** At the end of the course students are able to:

1. Understand the basic concepts of genetics
2. Understand maternal, prenatal and genetic influences on development of defects and diseases
3. Understand the significance of genetic testing.
4. Understand genetic disorders in various age groups.
5. Appreciate services related to genetics

Unit	Time (hrs)	Objectives	Content	Teaching Learning activities	Assessment methods
I	3	1. Explain nature, principles and perspectives of heredity	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Practical application of genetics in Nursing</li> <li>• Impact of genetic condition on families</li> <li>• Review of cellular division mitosis and meiosis</li> <li>• Characteristics and structure of genes</li> <li>• Chromosomes – sex determination</li> <li>• Chromosomal aberrations pattern of inheritance                             <ul style="list-style-type: none"> <li>➤ Mendelian theory of inheritance</li> <li>➤ Multiple alleles and blood groups</li> <li>➤ Sex linked inheritance</li> <li>➤ Mechanism of inheritance</li> <li>➤ Errors in transmission (Mutation)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts, slides</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
II	3	Explain maternal, prenatal and genetic influences on development of defects and diseases	<b>Maternal, prenatal and genetic influences on development of defects and diseases</b> <ul style="list-style-type: none"> <li>➤ Conditions affecting the mother: genetic and infections</li> <li>➤ Consanguinity atopy</li> <li>➤ Prenatal nutrition and food allergies</li> <li>➤ Maternal age</li> <li>➤ Maternal drug therapy</li> <li>➤ Prenatal testing and diagnosis</li> <li>➤ Effect of radiation, drugs and chemicals</li> <li>➤ Infertility</li> <li>➤ Spontaneous abortion</li> <li>➤ Neural tube defects and the role of folic acid in lowering the risks</li> <li>➤ Down syndrome (Trisomy 21)</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts, slides</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

Unit	Time (hrs)	Objectives	Content	Teaching Learning activities	Assessment methods
III	2	1.Explain the screening methods for genetic defects and diseases in neonates and children	<b>Genetic tests in neonates and children</b> <ul style="list-style-type: none"> <li>• Screening for <ul style="list-style-type: none"> <li>➤ Karyotype analysis</li> <li>➤ Congenital abnormalities</li> <li>➤ Developmental delay</li> <li>➤ Dysmorphism</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts, slides</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
IV	2	Identify genetic disorders in adolescents and adults	<b>Genetic conditions of adolescents and adults</b> <ul style="list-style-type: none"> <li>• Cancer genetics – Familial cancer</li> <li>• Inborn errors of metabolism</li> <li>• Blood group alleles and hematological disorders</li> <li>• Genetic haemochromatosis</li> <li>• Huntington’s disease</li> <li>• Mental illness</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts, slides</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>
V	5	Describe the role of nurse in genetic services and counselling	<b>Services related to Genetics</b> <ul style="list-style-type: none"> <li>• Genetic testing</li> <li>• Human genome project</li> <li>• Gene therapy</li> <li>• The Eugenics movement</li> <li>• Genetic counseling</li> <li>• Legal and ethical issues</li> <li>• Role of nurse</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Explain using charts, slides</li> </ul>	<ul style="list-style-type: none"> <li>• Short answers</li> <li>• Objective type</li> </ul>

### Bibliography –(Genetics)

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2. S D Gangane : Human Genetics II Edition, Saurabh Printers, Noida.
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# EVALUATION SCHEME

## Internal Assessment:

Maximum Marks 25

### Theory:

15 Marks

	Pharmacology	Pathology and genetics	Total Marks	Average Out of
Mid-term	30	20	50	-
Pre-final	40	35	75	-
<b>Total</b>			<b>125</b>	<b>15</b>

(125 Marks to be converted in to 15 Marks for Internal Assessment (Theory))

### Assignments: Two

- a) Pharmacology – Drug Study / Drug Presentation 25 Marks
  - b) Pathology - Preparation of Patient for diagnostic Test 25 Marks
- Total: 50 Marks**

(50 Marks to be converted in to 10 Marks for Internal Assessment (Assignments))

### External assessment:

University Examination (Theory)

75 Marks

## Format for Assignment: -

### i) Drug study

- Index of drug
- Introduction
- Classification of drugs
- Factors affecting action of drugs
- Name of the drug ( Trade & Pharmaceutical name )
- Preparation, strength and dose
- Indications and contraindications
- Actions
- Adverse effects and drug interactions
- Nursing responsibility
- Conclusion
- References

#### Evaluation criteria

Planning and organization -----	05
Content -----	10
Nursing responsibility -----	05
Conclusion & References -----	05
Total	25

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### ii) Preparation of patients for diagnostic tests

- Type of investigation
- Indications
- Preparation of the patient
- Do's and Don'ts
- Documents to be carried along
- Complications
- Aftercare of the patient
- Conclusion
- Reference

#### Evaluation criteria

Criteria		Marks
Organization	10	
Content		10
Conclusion and references	05	
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Total	25	
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# SOCIOLOGY

**Placement: Second Year**

**Total Hours: 60**

**Course Description:** This course is designed to introduce the concepts of sociology related to community and social institutions in India and its relationship with health, illness and nursing.

**Course objectives:** At the end of the course, the student will be able to:

1. Describe the structure and the dynamics of the society
2. Discuss the relationship of the individual to the society.
3. Understand the social problems and its influence on social changes and the factors contributing to it.
4. Describe sociological concepts applicable to nursing.
5. Determine role of sociology in nursing as related to social institution in India
6. Develop positive attitudes towards individual, family and community.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
I	1	State the importance of sociology in Nursing	<b>Introduction</b> Definition of Sociology Nature and Scope of the discipline Importance and application of Sociology in Nursing	Lecture Discussion	Essay type Short answers
II	3	Describe the inter - relationship of individual in society and community	<b>Individual &amp; Society</b> Society and Community Nature of Society Difference between society and community Process of socialization and individualization Personal disorganization	Lecture Discussion	Essay type Short answers
III	3	Describe the influence of culture and on health and disease	<b>Culture</b> Nature of culture Evolution of culture Diversity and uniformity of culture Culture and socialization  Trans cultural society Influence on health and disease	Lecture Discussion Panel Discussion	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
IV	4	Identify various social groups and their interactions	<p><b>Social groups and Processes</b></p> <p>The meaning and classification of groups</p> <p>Primary &amp; Secondary Group</p> <p>In-group V/s. Out-group, Class, Tribe, caste</p> <p>Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction &amp; social processes</p> <p>Co - operation, competition, conflict</p> <p>Accommodation, Assimilation &amp; Isolation</p>	Lecture Discussion	Essay type Short answers
V	6	Explain the growth of population in India and its impact on health	<p><b>Population</b></p> <p>Society and population</p> <p>Population distribution in India</p> <p>Demographic characteristics</p> <p>Malthusian theory of populations</p> <p>Population explosion in India and its impact on health status</p> <p>Family welfare programmes</p>	Lecture Discussion Community identification	Essay type Short answers Assessment of report on community identification
VI	5	Describe the institutions of family and marriage in India	<p><b>Family and Marriage</b></p> <p>Family - functions</p> <p>Types - Joint, Nuclear, Blended and extended family: Characteristics</p> <p>The modern family - changes, problems - Dowry etc. Welfare services</p> <p>Changes &amp; legislations on family and marriage in India - marriage acts</p> <p>Marriage: Forms and functions of marriage</p> <p>Marriage and family problems in India</p> <p>Family, marriage and their influence on health and health practices</p>	Lecture Discussion Family case study	Essay type Short answers Assessment of family case study

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
VII	7	Describe the class and caste system and their influence on health and health practices	<b>Social Stratification</b> Meaning & types of social stratification The Indian Caste system-origin & features Features of Caste in India Today Government polices for schedule caste, schedule tribe, and OBC Social Class system and status Social mobility-meaning & types Race as a biological concept, criteria of racial classification Salient features of Primary races Racism Influence of Class, caste and Race on health and health practices	Lecture Discussion Community survey	Essay type Short answers Assessment of report on community survey
VIII	6	Describes the types of communities in India, their practices and the impact on health	<b>Types of communities in India (Rural, Urban and Regional)</b> Features of village community & Characteristics of Indian villages Panchayat system, social dynamics Community development project and planning Changes in Indian Rural life Availability of health facilities in rural and its impact on health and health practices The growth of cities: Urbanisation and its impact on health and health practices Major Urban problems – Urban Slums Region; problems and impact on Health	Lecture Discussion Visits to rural and urban community survey	Assessment Of report on community survey

IX	4	Explain the process of Social Change	<p><b>Social Change</b>  Nature and process of Social Change  Factors influencing Social change: cultural change, Cultural lag, culture and health (with special reference to women's health).  Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional, Sanskritisation and Modernisation.  Role of nurse -Change agents</p>	Lecture Discussion	Essay type Short answers
X	4	Describe the Social system and inter-relationship of social organizations	<p><b>Social organization and social system</b>  Social organization: elements, types  Democratic and authoritarian modes of participation,  Voluntary associations  Social system: Definition and Type of social system  Role and Status as structural elements of social system with reference to women's role and status and its impact on family.  Inter-relationship of institutions</p>	Lecture Discussion Observation visits	Essay type Short answers Assessment of visit reports
XI	2	Explain the nature and process of social control	<p><b>Social Control</b>  Nature and process of social control Political  Legal, Religious, Educational Economic.  Industrial and Technological system, Norms &amp; Values- Folkways &amp; Mores Customs, Laws and fashion  Role of nurse</p>	Lecture Discussion Community survey	Essay type Short answers Assessment of report on community survey
XII	15	Describe the role of the nurse in dealing with social problems in India	<p><b>Social Problems</b>  Social disorganization  Control &amp; planning: poverty, housing, and illiteracy. Food supplies, prostitution, rights of women &amp; children, Government health programs, vulnerable groups, elderly, handicapped minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS.  Social Welfare programmes in India  Role of nurse</p>	Lecture Discussion Institutional visits	Essay type Short answers Assessment of visit reports

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5. Dr.N.H.Groenman, Dr.O D'aslevin, M A Bockenham, Social and Behvioural sciences for Nurses, 1st edition, Campanion Press Ltd.
6. Dr.Ajithkumar Sinha, Principles of Sociology, Lakshmi Narain Agarwal educational publishers
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## **EVALUATION**

### **INTERNAL ASSESSMENT: (Theory Exams)**

**Maximum Marks: 25**

Mid-term Examination: 50 Marks

Pre-final Examination: 75 Marks

Total: 125 Marks

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

### **EXTERNAL ASSESSMENT: (Theory)**

University examination: 75 Marks