

**SWAMI VEVEKANAND UNIVERSITY, SIRONJA  
SAGAR (M.P.)**



**SYLLABUS**

**For**

**Bachelor of Science in Nursing**

**Degree Course**

**Course Code : BSCN**

Department of Nursing

Faculty of Nursing

Duration of Course : 4 Year

Examination Mode : Yearly

Examination System : Non Grading

**SWAMI VEVEKANAND UNIVERSITY, SIRONJA SAGAR (M.P.)**

**2019-20**



# English

**Placements :**First year

Time: Theory - 60 hrs.

**Course Description :** The Course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experiences.

Unit	Content
I.	<ul style="list-style-type: none"> <li>● Review of Grammar</li> <li>● Remedial study of Grammar</li> <li>● Building Vocabulary</li> <li>● Phonetics</li> <li>● Public Speaking</li> </ul>
II.	<ul style="list-style-type: none"> <li>● Read and comprehend prescribed course books</li> </ul>
III.	<ul style="list-style-type: none"> <li>● <b>Various forms of composition</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Letter writing</li> <li><input type="checkbox"/> Note taking</li> <li><input type="checkbox"/> Précis writing</li> <li><input type="checkbox"/> Nursing notes</li> <li><input type="checkbox"/> Anecdotal records</li> <li><input type="checkbox"/> Diary writing</li> <li><input type="checkbox"/> Reports on health problems etc.</li> <li><input type="checkbox"/> Resume/CV</li> </ul> </li> </ul>
IV.	<ul style="list-style-type: none"> <li>● <b>Spoken English</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Oral report</li> <li><input type="checkbox"/> Discussion</li> <li><input type="checkbox"/> Debate</li> <li><input type="checkbox"/> Telephone conversation</li> </ul> </li> </ul>
V.	<ul style="list-style-type: none"> <li>● <b>Listening Comprehension</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Media, audio, video, speeches etc.</li> </ul> </li> </ul>



# Anatomy

**Placements :** First year

Time :Theory - 60 hrs.

**Course Description :** The Course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing.

Unit	Content
I.	<p><b>Introduction to Anatomical terms organization of the human body</b></p> <ul style="list-style-type: none"> <li>● Human Cell structure</li> <li>● Tissues-Definition, types, characteristics, classification, location, functions and formation</li> <li>● Membranes and glands- classification and structure</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
II.	<p><b>The Skeletal System</b></p> <ul style="list-style-type: none"> <li>● Bones –types, structure, Axial &amp; Appendicular Skeleton,</li> <li>● Bone formation and growth</li> <li>● Description of bones</li> <li>● Joints – Classification and structure</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
III.	<p><b>The Muscular System</b></p> <ul style="list-style-type: none"> <li>● Types and structure of muscles</li> <li>● Muscle group</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
IV.	<p><b>The Nervous system</b></p> <ul style="list-style-type: none"> <li>● Structure of neurologia &amp; neurons</li> <li>● Somatic Nervous system <ul style="list-style-type: none"> <li>□ Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves</li> </ul> </li> <li>● Autonomic nervous System- sympathetic, parasympathetic <ul style="list-style-type: none"> <li>□ Structure, location</li> </ul> </li> </ul>

	<p>Alterations in disease</p> <p>Applications and implications in nursing</p>
V	<p><b>The Sensory Organs</b></p> <ul style="list-style-type: none"> <li>● Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus)</li> </ul> <p>Application in disease</p> <p>Applications and implications in nursing</p>
VI.	<p><b>Circulatory and lymphatic system</b></p> <ul style="list-style-type: none"> <li>● The Circulatory System <ul style="list-style-type: none"> <li><input type="checkbox"/> Blood – Microscopic structure</li> <li><input type="checkbox"/> Structure of Heart</li> <li><input type="checkbox"/> Structure of blood vessels - Arterial &amp; Venous System,</li> <li><input type="checkbox"/> Circulation – systemic, pulmonary, coronary</li> </ul> </li> <li>● Lymphatic system <ul style="list-style-type: none"> <li><input type="checkbox"/> Lymphatic vessels and lymph</li> <li><input type="checkbox"/> Lymphatic tissues <ul style="list-style-type: none"> <li>- Thymus gland</li> <li>- Lymph nodes</li> <li>- Spleen</li> <li>- Lymphatic nodules</li> </ul> </li> </ul> </li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
VII.	<p><b>The Respiratory System</b></p> <ul style="list-style-type: none"> <li>● Structure of the organs of respiration</li> <li>● Muscles of respiration: Intercostals and Diaphragm</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
VIII.	<p><b>The Digestive System</b></p> <ul style="list-style-type: none"> <li>● Structure of alimentary tract and accessory organs of digestion</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
IX.	<p><b>The Excretory System (Urinary)</b></p> <ul style="list-style-type: none"> <li>● Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>

X.	<b>The Endocrine System</b> <ul style="list-style-type: none"><li>● Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands</li></ul> Alterations in disease Applications and implications in nursing
XI.	<b>The Reproductive system</b> <ul style="list-style-type: none"><li>● Structure of female reproductive organs.</li><li>● Structure of male reproductive organs.</li><li>● Structure of breast</li></ul> Alteration in disease Applications and implications in nursing





# Physiology

Placements : First year

Time : Theory - 60 hrs.

**Course Description :** The Course is designed to assist the students to acquire knowledge of the normal physiology of various human body systems and understand the alterations in physiology in disease and practice of nursing.

Unit	Content
I.	<p><b>Cell Physiology</b></p> <ul style="list-style-type: none"> <li>● Tissue-formation-repair</li> <li>● Membranes &amp; glands – functions</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
II.	<p><b>Skeletal System</b></p> <ul style="list-style-type: none"> <li>● Bone formation &amp; Growth</li> <li>● Bones – Functions and movements of axial and appendicular skeleton, bone healing</li> <li>● Joints and joint movement</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
III.	<p><b>Muscular System</b></p> <ul style="list-style-type: none"> <li>● Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture</li> </ul> <p>Alterations in disease</p> <p>Applications and implications in nursing</p>
IV.	<p><b>Nervous System</b></p> <ul style="list-style-type: none"> <li>● Functions of Neurologia &amp; neurons</li> <li>● Stimulus &amp; nerve-impulse-definitions and mechanism</li> <li>● Functions of brain, spinal cord, renal and spinal nerves</li> <li>● Cerebrospinal fluid-composition, circulation and function</li> <li>● Reflex arc, Reflex action and reflexes</li> <li>● Autonomic Functions <ul style="list-style-type: none"> <li><input type="checkbox"/> Pain: somatic, visceral, and referred</li> <li><input type="checkbox"/> Autonomic learning and biofeedback</li> </ul> </li> </ul>

	<p>Alternations in disease</p> <p>Applications and implications in nursing</p>
V.	<p><b>Circulatory System</b></p> <ul style="list-style-type: none"> <li>● Blood formation, composition, blood groups, blood coagulation</li> <li>● Hemoglobin: Structure, synthesis and breakdown, Variation of molecules, estimation</li> <li>● Functions of Heart, Conduction, Cardiac cycle, circulation - Principles, Control, factors influencing BP and Pulse</li> </ul> <p>Alternations in disease</p> <p>Applications and implications in nursing</p>
VI.	<p><b>The Respiratory System</b></p> <ul style="list-style-type: none"> <li>● Functions of respiratory organs</li> <li>● Physiology of respiration</li> <li>● Pulmonary ventilation, Volume</li> <li>● Mechanics of respiration</li> <li>● Gaseous exchange in lungs</li> <li>● Carriage of oxygen &amp; carbon-dioxide</li> <li>● Exchange of gases in tissues</li> <li>● Regulation of respiration</li> </ul> <p>Alternations in disease</p> <p>Applications and implications in nursing</p>
VII	<p><b>The Digestive system</b></p> <ul style="list-style-type: none"> <li>● Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas</li> <li>● Metabolism of carbohydrates. Protein and fat</li> </ul>
VIII.	<p><b>The Excretory System</b></p> <ul style="list-style-type: none"> <li>● Functions of kidneys, ureters, urinary bladder &amp; urethra</li> <li>● Composition of urine</li> <li>● Mechanism of urine formation</li> <li>● Functions of skin as excretory organ</li> <li>● Regulation of body temperature</li> <li>● Fluid and electrolyte balance.</li> </ul>

	<p>Alternations in disease</p> <p>Applications and implications in nursing</p>
IX	<p><b>The Sensory Organs</b></p> <ul style="list-style-type: none"> <li>● Functions of skin, eye, ear, nose, tongue.</li> </ul> <p>Alternations in disease</p> <p>Applications and implications in nursing</p>
X.	<p><b>The Endocrine System</b></p> <ul style="list-style-type: none"> <li>● Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries &amp; Testes</li> </ul> <p>Alternations in disease</p> <p>Applications and implications in nursing</p>
XI.	<p><b>The Reproductive System</b></p> <ul style="list-style-type: none"> <li>● Reproduction of cells–DNA, Mitosis, Meiosis, spermatogenesis, oogenesis.</li> <li>● Functions of female reproductive organs; Functions of breast, female sexual cycle.</li> <li>● Functions of male reproductive organs, male functions in reproduction, male fertility system.</li> </ul> <p>Alternations in disease</p> <p>Applications and implications in nursing</p>
XII.	<p><b>Lymphatic and Immunological System</b></p> <ul style="list-style-type: none"> <li>● Circulation of lymph</li> <li>● Immunity <ul style="list-style-type: none"> <li><input type="checkbox"/> Formation of T-cells and B cells</li> <li><input type="checkbox"/> Types of immune response</li> <li><input type="checkbox"/> Antigens</li> <li><input type="checkbox"/> Cytokines</li> <li><input type="checkbox"/> Antibodies</li> </ul> </li> </ul>





# Nutrition

Placements : First year

Time : Practical - 60 hrs.

**Course Description :** The Course is designed to assist the students to acquire knowledge of nutrition of maintenance of optimum health at different stages of life and its application for practice of nursing

Unit	Content
I.	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>● Nutrition:               <ul style="list-style-type: none"> <li>□ History</li> <li>□ Concepts</li> </ul> </li> <li>● Role of nutrition in maintaining health</li> <li>● Nutritional problems in India</li> <li>● National nutritional policy</li> <li>● Factors affecting food and nutrition : socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc. including changes caused by agriculture, overgrazing, fertilizer pesticide problems, water logging and salinity.</li> <li>● Role of food and its medicinal value</li> <li>● Classification of foods,</li> <li>● Food standards</li> <li>● Elements of nutrition: macro and micro</li> <li>● Calorie, BMR</li> </ul>
II.	<p><b>Carbohydrates</b></p> <ul style="list-style-type: none"> <li>● Classification</li> <li>● Caloric value</li> <li>● Recommended daily allowances</li> <li>● Dietary sources</li> <li>● Functions</li> <li>● Digestion, absorption and storage, metabolism of carbohydrates</li> <li>● Malnutrition: Deficiencies and Over consumption</li> </ul>
III.	<p><b>Fats</b></p> <ul style="list-style-type: none"> <li>● Classification</li> <li>● Caloric Value</li> <li>● Recommended daily allowances</li> </ul>

	<ul style="list-style-type: none"> <li>● Dietary sources</li> <li>● Functions' Digestion, absorption and storage, metabolism</li> <li>● Malnutrition: Deficiencies and over consumption</li> </ul>
IV.	<p><b>Proteins</b></p> <ul style="list-style-type: none"> <li>● Classification</li> <li>● Caloric Value</li> <li>● Recommended daily allowances</li> <li>● Digestion, absorption, metabolism and storage</li> <li>● Malnutrition : Deficiencies and over consumption</li> </ul>
V.	<p><b>Emergency</b></p> <ul style="list-style-type: none"> <li>● Unit of Energy – Kcal</li> <li>● Energy requirements of different categories of people</li> <li>● Measurements of energy</li> <li>● Body Mass Index (BMI) and basic metabolism</li> <li>● Basal Metabolic Rate (BMR) – determination and factors affecting</li> </ul>
VI.	<p><b>Vitamins</b></p> <ul style="list-style-type: none"> <li>● Classification</li> <li>● Recommended daily allowances</li> <li>● Dietary sources</li> <li>● Functions</li> <li>● Absorption, synthesis, metabolism storage and excretion</li> <li>● Deficiencies</li> <li>● Hyper Vitaminosis</li> </ul>
VII.	<p><b>Minerals</b></p> <ul style="list-style-type: none"> <li>● Classification</li> <li>● Recommended daily allowances</li> <li>● Dietary sources</li> <li>● Functions</li> <li>● Absorption, synthesis, metabolism storage and excretion</li> <li>● Deficiencies</li> <li>● Over consumption and toxicity</li> </ul>

VIII.	<p><b>Water &amp; Electrolytes</b></p> <ul style="list-style-type: none"> <li>● Water: Daily requirements, regulation of water metabolism, distribution of body water.</li> <li>● Electrolytes: Types, sources, composition of body fluids</li> <li>● Maintenance of fluid &amp; electrolyte balance</li> <li>● Over hydration, dehydration and water intoxication</li> <li>● Electrolyte imbalances</li> </ul>
IX.	<p><b>Cookery rules and preservation of nutrients</b></p> <ul style="list-style-type: none"> <li>● Principles, methods of cooking and serving <ul style="list-style-type: none"> <li>□ Preservation of nutrients</li> </ul> </li> <li>● Safe food handling – toxicity</li> <li>● Storage of food</li> <li>● Food preservation, food additives and its principles</li> <li>● Prevention of food adulteration Act (PFA)</li> <li>● Food standards</li> <li>● Preparation of simple beverages and different types of food allowance</li> <li>●</li> </ul>
X	<p><b>Balance Diet</b></p> <ul style="list-style-type: none"> <li>● Elements</li> <li>● Food Groups</li> <li>● Recommended daily allowance</li> <li>● Nutritive value of foods</li> <li>● Calculation of balanced diet for different categories of people</li> <li>● Planning menu</li> <li>● Budgeting of food</li> <li>● Introduction to therapeutic diets: Naturopathy – Diet</li> </ul>
XI.	<p><b>Role of nurse in nutritional programmes</b></p> <ul style="list-style-type: none"> <li>● World Food Problems</li> <li>● National programmes related to nutrition <ul style="list-style-type: none"> <li>□ Vitamin A deficiency programme</li> <li>□ National iodine deficiency disorders (IDD) programme</li> </ul> </li> </ul>

	<ul style="list-style-type: none"><li><input type="checkbox"/> Mid-day meal programme</li><li><input type="checkbox"/> Integrated child development scheme (ICDS)</li><li>● National and International agencies working towards food/nutrition<ul style="list-style-type: none"><li><input type="checkbox"/> NIPCCD, CARE, FAQ, NIN, CFTRI (Central food technology and research institute) etc.</li></ul></li><li>● Assessment of nutritional status</li><li>● Nutrition education and role of nurse</li></ul>
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# Biochemistry

Placements : First year

Time : Practical - 30 hrs.

**Course Description :** The Course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in diseases for practice of nursing.

Unit	Content
I.	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>● Definition and significances in nursing</li> <li>● Review of structure, composition and functions of cell</li> <li>● Prokaryote and Eukaryote cell organization</li> <li>● Microscopy</li> </ul>
II.	<p><b>Structure and functions of cell membrane</b></p> <ul style="list-style-type: none"> <li>● Fluid mosaic model tight junction, Cytoskeleton</li> <li>● Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump</li> <li>● Acid base balance-maintenance &amp; diagnostic test               <ul style="list-style-type: none"> <li>□ PH buffers</li> </ul> </li> </ul>
III.	<p><b>Composition and metabolism of Carbohydrates</b></p> <ul style="list-style-type: none"> <li>● Types, structure, composition and uses               <ul style="list-style-type: none"> <li>□ Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides</li> </ul> </li> <li>● Metabolism               <ul style="list-style-type: none"> <li>□ Pathways of glucose :                   <ul style="list-style-type: none"> <li>- Glycolysis</li> <li>- Gluconeogenesis : Cori's cycle, Tricarboxylic acid (TCA) cycle</li> <li>- Glycogenolysis</li> <li>- Pentose phosphate pathways (Hexose mono phosphate)</li> </ul> </li> <li>□ Regulation of blood glucose level                   <ul style="list-style-type: none"> <li>- Investigations and their interpretations</li> </ul> </li> </ul> </li> </ul>
IV.	<p><b>Composition and metabolism of Lipids</b></p> <ul style="list-style-type: none"> <li>● Types, structure, composition and uses of fatty acids               <ul style="list-style-type: none"> <li>□ Nomenclature, Roles and Prostaglandins</li> </ul> </li> <li>● Metabolism of fatty acid</li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Breakdown</li> <li><input type="checkbox"/> Synthesis</li> <li>● Metabolism of triacylglycerols</li> <li>● Cholesterol metabolism <ul style="list-style-type: none"> <li>- Biosynthesis and its Regulation</li> <li>- Bile Salts and bilirubin</li> <li>- Vitamin D</li> <li>- Steroid hormones</li> </ul> </li> <li>● Lipoproteins and their functions : <ul style="list-style-type: none"> <li><input type="checkbox"/> VLDLs-IDLs, LDLs and HDLs</li> <li><input type="checkbox"/> Transport of lipids</li> <li><input type="checkbox"/> Atherosclerosis</li> </ul> </li> </ul> <p>Investigations and their interpretations</p>
V.	<p><b>Composition and metabolism of Amino acids and Proteins</b></p> <ul style="list-style-type: none"> <li>● Types, structure, composition and uses of Amino acids and proteins</li> <li>● Metabolism of Amino acids and proteins <ul style="list-style-type: none"> <li><input type="checkbox"/> Protein synthesis, targeting and glycosylation</li> <li><input type="checkbox"/> Chromatography</li> <li><input type="checkbox"/> Electrophoresis</li> <li><input type="checkbox"/> Sequencing</li> </ul> </li> <li>● Metabolism of nitrogen <ul style="list-style-type: none"> <li><input type="checkbox"/> Electrophoresis</li> <li><input type="checkbox"/> Sequencing</li> </ul> </li> <li>● Metabolism of Nitrogen <ul style="list-style-type: none"> <li><input type="checkbox"/> Fixation and Assimilation</li> <li><input type="checkbox"/> Urea Cycle</li> <li><input type="checkbox"/> Hemes and Chlorophylls</li> </ul> </li> <li>● Enzymes and co-enzymes <ul style="list-style-type: none"> <li><input type="checkbox"/> Classification</li> <li><input type="checkbox"/> Properties</li> <li><input type="checkbox"/> Kinetics and inhibition</li> <li><input type="checkbox"/> Control</li> </ul> </li> </ul> <p>Investigations and their Interpretations</p>

VI.	<p><b>Composition of Vitamins and minerals</b></p> <ul style="list-style-type: none"> <li>● Vitamins and minerals: <ul style="list-style-type: none"> <li><input type="checkbox"/> Structure</li> <li><input type="checkbox"/> Classification</li> <li><input type="checkbox"/> Properties</li> <li><input type="checkbox"/> Absorption</li> <li><input type="checkbox"/> Storage &amp; transportation</li> <li><input type="checkbox"/> Normal concentration</li> </ul> </li> </ul> <p>Investigations and their interpretations</p>
VII.	<p><b>Immune chemistry</b></p> <ul style="list-style-type: none"> <li>● Immune response,</li> <li>● Structure and classification of immunoglobins</li> <li>● Mechanism of antibody production</li> <li>● Antigens: HLA typing.</li> <li>● Free radical and antioxidants</li> <li>● Specialised protein: Collagen, Elastin, Karatin, Myosin, Lens Protein.</li> <li>● Electrophoretic and Quantitative determination of immunoglobins – ELISA etc.</li> </ul> <p>Investigations and their Interpretations</p>



# Nursing Foundations

**Placements:** First year

Time : Theory - 265 hrs.  
 Practical – 650  
 (200 lab and 450 clinical)

**Course Description:** This course is designed to help the students to develop an understanding of the philosophy, Objectives, theories and process of nursing in various Supervised Clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in Supervised Clinical settings.

Unit	Content
I.	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>● Concept of Health: Health-Illness continuum</li> <li>● Factors influencing health</li> <li>● Causes and risk factors for developing illness</li> <li>● Body defenses: Immunity and immunization</li> <li>● Illness and illness Behaviour :</li> <li>● Impact of illness on patient and family</li> <li>● Health Care Services: Health Promotion and Prevention, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care</li> <li>● Health Care teams</li> <li>● Types of health care agencies:</li> <li>● Hospitals: Types, Organisation and Functions</li> <li>● Health Promotion and levels of Disease Prevention</li> <li>● Primary Health care and its delivery: role of nurse</li> </ul>
II.	<p><b>Nursing as a Profession</b></p> <ul style="list-style-type: none"> <li>● Definition and Characteristics of a profession</li> <li>● Nursing:                     <ul style="list-style-type: none"> <li><input type="checkbox"/> Definition, Concepts, Philosophy, Objectives</li> <li><input type="checkbox"/> Characteristics, nature and scope of nursing practice</li> <li><input type="checkbox"/> Functions of nurse</li> <li><input type="checkbox"/> Qualities of a nurse</li> <li><input type="checkbox"/> Categories of nursing personnel</li> <li><input type="checkbox"/> Nursing as a profession</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li><input type="checkbox"/> History of Nursing in India</li> <li>● Values: Definition, Types</li> </ul> <p>Values Clarification and values in professional Nursing: Caring and Advocacy</p> <ul style="list-style-type: none"> <li>● Ethics: <ul style="list-style-type: none"> <li><input type="checkbox"/> Definition and Ethical principles</li> <li><input type="checkbox"/> Code of ethics and professional conduct for nurses</li> </ul> </li> </ul>
III.	<p><b>Hospital admission and discharge</b></p> <ul style="list-style-type: none"> <li>● Admission to the hospital <ul style="list-style-type: none"> <li><input type="checkbox"/> Unit and its preparation admission bed</li> <li><input type="checkbox"/> Admission procedure</li> <li><input type="checkbox"/> Special considerations</li> <li><input type="checkbox"/> Medico-legal issues</li> <li><input type="checkbox"/> Roles and Responsibilities of the nurse</li> </ul> </li> <li>● Discharge from the hospital <ul style="list-style-type: none"> <li><input type="checkbox"/> Types: Planned discharge LAMA and abscond, Referrals and transfer</li> <li><input type="checkbox"/> Discharge Planning</li> <li><input type="checkbox"/> Discharge procedure</li> <li><input type="checkbox"/> Special considerations</li> <li><input type="checkbox"/> Medico-legal issues</li> <li><input type="checkbox"/> Role and Responsibilities of the nurse</li> <li><input type="checkbox"/> Care of the unit after discharge</li> </ul> </li> </ul>
IV.	<p><b>Communication and Nurse patient relationship</b></p> <ul style="list-style-type: none"> <li>● Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication <ul style="list-style-type: none"> <li><input type="checkbox"/> Methods of Effective Communication, <ul style="list-style-type: none"> <li>- Attending skills</li> <li>- Rapport building skills</li> <li>- Empathy skills</li> </ul> </li> <li><input type="checkbox"/> Barriers to effective communication,</li> </ul> </li> <li>● Helping Relationship (NPR): Dimensions of Helping Relationship, Phases of a helping relationship</li> <li>● Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable</li> </ul>

	<p>group (children, woman, physically and mentally challenged and elderly)</p> <ul style="list-style-type: none"> <li>● Patient Teaching: Importance, Purposes, Process, role of nurse and integrating teaching in nursing process.</li> </ul>
V	<p><b>The Nursing Process</b></p> <p>Critical thinking and Nursing Judgment</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Critical Thinking: Thinking and Learning,</li> <li><input type="checkbox"/> Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing</li> </ul> <p><b>Nursing Process Overview: Application in Practice</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Nursing Process format: INC, current format</li> <li><input type="checkbox"/> Assessment <ul style="list-style-type: none"> <li>- Collection of Data: Types, Sources, Methods</li> <li>- Formulating nursing judgment: Data Interpretation</li> </ul> </li> <li><input type="checkbox"/> Nursing diagnosis <ul style="list-style-type: none"> <li>- Identification of client problems</li> <li>- Nursing diagnosis statement</li> <li>- Difference between medical and nursing diagnosis</li> </ul> </li> <li><input type="checkbox"/> Planning <ul style="list-style-type: none"> <li>- Establishing Priorities</li> <li>- Establishing Goals and Expected Outcomes,</li> <li>- Selection of intervention: Protocols and standing orders</li> <li>- Writing the nursing care plan</li> </ul> </li> <li><input type="checkbox"/> Implementation <ul style="list-style-type: none"> <li>- Implementing the plan of care</li> </ul> </li> <li><input type="checkbox"/> Evaluation <ul style="list-style-type: none"> <li>- Outcome of care</li> <li>- Review and Modification</li> </ul> </li> <li><input type="checkbox"/> Documentation and Reporting</li> </ul>
VII	<p><b>Documentation and Reporting</b></p> <ul style="list-style-type: none"> <li>● Documentation : Purpose of Recording and reporting</li> <li>● Communication within the Health Care Team,</li> <li>● Types of records; ward records medical/nursing records,</li> <li>● Common record-keeping forms, Computerized documentation</li> </ul>

	<ul style="list-style-type: none"> <li>● Guidelines for Reporting: Factual Basis, Accuracy, Completeness Currentness, Organizaiton, confidentiality</li> <li>● Methods, confidentiality</li> <li>● Methods of Recording,</li> <li>● Reporting: Transfer reports, Incident reports</li> <li>● Minimizing legal Liability through effective record keeping</li> </ul>
VII	<p><b>Vital signs</b></p> <ul style="list-style-type: none"> <li>● <b>Guidelines for taking vital signs:</b></li> <li>● <b>Body temperature:</b> <ul style="list-style-type: none"> <li>□ Physiology, Regulation, Factors affecting body temperature,</li> <li>□ Assessment of body temperature: sites, equipments and technique, special considerations</li> <li>□ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia</li> <li>□ Hot and cold applications</li> </ul> </li> <li>● <b>Pulse:</b> <ul style="list-style-type: none"> <li>□ Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse</li> <li>□ Assessment of pulse: sites, location, equipments and technique, special considerations</li> <li>□ Alterations in Pulse</li> </ul> </li> <li>● <b>Respiration:</b> <ul style="list-style-type: none"> <li>□ Physiology and Regulations, mechanics of Breathing Characteristics of the respiration, Factors affecting respiration</li> <li>□ Assessment of respirations: technique, special considerations</li> <li>□ Alterations in respiration</li> </ul> </li> <li>● <b>Blood pressure:</b> <ul style="list-style-type: none"> <li>□ Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure</li> <li>□ Assessment of blood pressure: sites, equipments and technique, special considerations</li> <li>□ Alterations in blood pressure</li> </ul> </li> <li>● <b>Recording of vital signs</b></li> </ul>

VIII	<p><b>Health Assessment</b></p> <ul style="list-style-type: none"> <li>● Purposes</li> <li>● Process Health assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> Health history</li> <li><input type="checkbox"/> Physical examination: <ul style="list-style-type: none"> <li>- Methods-Inspection, Palpation, Percussion, Auscultation, Olfaction</li> <li>- Preparation for examination: patient and unit</li> <li>- General assessment</li> <li>- Assessment of each body system</li> <li>- Recording of health assessment</li> </ul> </li> </ul> </li> </ul>
IX	<p><b>Machinery, Equipment and linen</b></p> <ul style="list-style-type: none"> <li>● Types: Disposables and reusable – Lines, rubber goods, glass ware, metal, plastics, furniture, machinery</li> <li>● Introduction : <ul style="list-style-type: none"> <li><input type="checkbox"/> Indent</li> <li><input type="checkbox"/> Maintenance</li> <li><input type="checkbox"/> Inventory</li> </ul> </li> </ul>
X	<p><b>Meeting needs of patient</b></p> <ul style="list-style-type: none"> <li>● Basic needs (Activities of daily living) <ul style="list-style-type: none"> <li><input type="checkbox"/> Providing safe and clean environment: <ul style="list-style-type: none"> <li>- Physical – environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control</li> <li>- Reduction of Physical hazards: fire, accidents</li> <li>- Safety devices’ Restraints, side rails, airways, trapez etc</li> <li>- Role of nurse in providing safe and clean environment</li> </ul> </li> <li><input type="checkbox"/> Hygiene : <ul style="list-style-type: none"> <li>- Factors Influencing Hygienic Practice</li> <li>- Hygienic Care: Care of the Skin-Bath and Pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose <ul style="list-style-type: none"> <li>○ Assessment, Principles, Types, Equipments, procedure, Special considerations</li> </ul> </li> <li>- Patient environment: Room Equipment and linen, making patient beds</li> </ul> </li> </ul> </li> </ul>

- Types of beds and bed making

- Comfort:-

- Factors Influencing Comfort
- Comfort devices

- Physiological needs:

- Sleep and Rest:

- Physiology of sleep
- Factors affecting sleep
- Promoting Rest and sleep
- Sleep Disorders

- Nutrition :-

- Importance
- Factors affecting nutritional needs
- Assessment of nutritional needs: Principles, equipments, procedure and special considerations
  - Oral
  - Enteral: Naso/Orogastric, gastrostomy

- Urinary Elimination

- Review of Physiology of Urinary Elimination, Composition and characteristics of urine
- Factors Influencing urination
- Alteration in Urinary Elimination
- Types and Collection of urine specimen:
- Observation, urine testing
- Facilitating urine elimination: assessment, types, equipments, procedures and special considerations
  - Providing urinal/bed pan
  - Condom drainage
  - Perineal care
  - Catheterizaion
  - Care of urinary drainage
  - Care of urinary diversions
  - Bladder irrigation

- Bowel Elimination
  - Review of Physiology of Bowel Elimination, Composition and Characteristics of faeces
  - Factors affecting Bowel elimination
  - Alteration in Bowel elimination
  - Types and collection of specimen of faeces: Observation
  - Facilitating bowel elimination : assessment, equipments, procedure and special considerations
    - Passing of Flatus tube
    - Enemas
    - Suppositories
    - Sitz bath
    - Bowel wash
    - Care of Ostomies
- Mobility and Immobility
  - Principles of Body Mechanics
  - Maintenance of normal body Alignment and mobility
  - Factors affecting body Alignment and mobility
  - Hazard associated with immobility
  - Alteration in body Alignment and mobility
  - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects
    - Range of motion exercises
    - Maintaining body alignment: Positions
    - Moving
    - Lifting
    - Transferring
    - Walking
    - Restraints
- Oxygenation
  - Review of Cardiovascular and respiratory Physiology
  - Factors Affecting Oxygenation

- Alterations in oxygenation: assessment, types, equipment used, procedure and special considerations
- Maintenance of patent airway
- Oxygen administration
- Suction
- Inhalations: dry and moist
- Chest physiotherapy and postural drainage
- Care of chest drainage
- Pulse oximetry
- CPR – Basic life support
- Fluid, Electrolyte, and Acid
- Base Balances

Fluid, Electrolyte, and Acid, Base Balances

- Review of Physiological Regulation of Fluid, Electrolyte, and Acid
- Base Balances
- Factors Affecting Fluid, Electrolyte, and Acid- Base Balances
- Alterations in Fluid, Electrolyte – Base Balances
- Nursing interventions in Fluid, Electrolyte, and Acid
- Base Imbalances: assessment, types, equipment, procedure and special considerations
  - o Measuring fluid intake and output
  - o Correcting fluid, Electrolyte Imbalance:
    - Replacement of Fluids: Oral and Parenteral- Venipuncture, regulating IV flow rates, changing IV solutions and tubing Changing IV dressing,
- Administering Blood transfusion
- Restriction of fluids

● Psychosocial Needs

- Concepts of Cultural Diversity, stress and Adaptation, Self-concept, Sexuality, Spiritual Health, coping with loss, death and grieving
- Assessment of psychosocial needs
- Nursing interventions for psychosocial needs
  - Assist with coping an adaptation

	<ul style="list-style-type: none"> <li>- Creating therapeutic environment</li> <li><input type="checkbox"/> Recreational and diversional therapies</li> </ul>
XI	<p><b>Infection control in Clinical settings</b></p> <ul style="list-style-type: none"> <li>● Infection Control <ul style="list-style-type: none"> <li><input type="checkbox"/> Nature of infection</li> <li><input type="checkbox"/> Chain of infection transmission</li> <li><input type="checkbox"/> Defenses against infection: natural and acquired</li> <li><input type="checkbox"/> Hospital acquired infection (Nosocomial infection)</li> </ul> </li> <li>● Concept of asepsis: medical asepsis, and surgical asepsis</li> <li>● Isolation precaution (Barrier nursing): <ul style="list-style-type: none"> <li><input type="checkbox"/> Hand washing: simple, hand antisepsis and surgical antisepsis (scrub)</li> <li><input type="checkbox"/> Isolation: source and protective</li> <li><input type="checkbox"/> Personal protecting equipments: types, uses and technique of wearing and removing</li> <li><input type="checkbox"/> Decontamination of equipment and unit</li> <li><input type="checkbox"/> Transportation of infected patients</li> <li><input type="checkbox"/> Standard safety precautions (Universal Precautions)</li> <li><input type="checkbox"/> Transmission based precautions</li> </ul> </li> <li>● Biomedical waste management: <ul style="list-style-type: none"> <li><input type="checkbox"/> Importance</li> <li><input type="checkbox"/> Types of hospital waste</li> <li><input type="checkbox"/> Hazards associated with hospital waste</li> <li><input type="checkbox"/> Decontamination hospital waste</li> <li><input type="checkbox"/> Segregation and Transportation of disposal</li> </ul> </li> </ul>
XII	<p><b>Administration of Medications</b></p> <ul style="list-style-type: none"> <li>● General Principles/Considerations <ul style="list-style-type: none"> <li><input type="checkbox"/> Purposes of Medication</li> <li><input type="checkbox"/> Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Errors</li> <li><input type="checkbox"/> Drug forms</li> <li><input type="checkbox"/> Routes of administration</li> <li><input type="checkbox"/> Storage and maintenance of drugs and Nurses responsibility</li> <li><input type="checkbox"/> Broad classification of drug</li> </ul> </li> </ul>



- Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions,
- Factors Influencing drug Actions,
- Measurement: Metric System, Apothecary System, Household Measurements, solutions.
- Converting Measurements Units: Conversion within one system, Conversion between systems, Dosage Calculation,
- Terminologies and abbreviation used in prescriptions of medications
- Oral Drugs Administration: Oral, Sublingual and Buccal: Equipment, procedure
- Parenteral
  - General principles: decontamination and disposal of syringes and needles
  - Types of parenteral therapies
  - Types of syringes, needles, canula, and infusion sets
  - Protection from Needle stick Injuries: Giving Medications with a safety syringes
  - Routes of parenteral therapies
    - Intradermal: procedure, special considerations
    - Subcutaneous purpose, site, equipment, procedure, special considerations
    - Intramuscular : purpose, site, equipment, procedure, special Considerations
    - Advanced techniques: Epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intraarterial-Role of nurse
- Topical Administration: Purposes, site, equipment, procedure, special considerations for
  - Application to Skin
  - Application to mucous membrane
    - Direct application of liquids-gargle and swabbing the throat
    - Insertion of Drug into body cavity: Suppository/medicated packing in rectum/vagina
    - Instillations: Ear, Eye, Nasal, Bladder, and Rectal
    - Irrigations: Eye, Ear, Bladder, Vaginal and Rectal
    - Spraying: Nose and throat

	<ul style="list-style-type: none"> <li>- Inhalation, Nasal, oral endotracheal/tracheal (steam oxygen and medications) – purposes, type, equipment, procedure, special considerations</li> <li>- Recording and reporting of medications administered</li> </ul>
XIII	<p><b>Meeting needs of Preoperative patients</b></p> <ul style="list-style-type: none"> <li>● Definitions and concept of preoperative Nursing</li> <li>● Preoperative Phase <ul style="list-style-type: none"> <li><input type="checkbox"/> Preparation of patient for surgery</li> </ul> </li> <li>● Intraoperative <ul style="list-style-type: none"> <li><input type="checkbox"/> Operation theatre Set up and environment</li> <li><input type="checkbox"/> Role of nurse</li> <li><input type="checkbox"/> Postoperative phase</li> <li><input type="checkbox"/> Recovery unit</li> <li><input type="checkbox"/> Post operative unit</li> <li><input type="checkbox"/> Postoperative care</li> </ul> </li> <li>● Wounds: types, Classification, wound Healing Process, Factors affecting Wound, Complications of Wound Healing</li> <li>● Surgical asepsis</li> <li>● Care of the wound: types, equipments, procedure and special considerations <ul style="list-style-type: none"> <li><input type="checkbox"/> Dressings, Suture Care,</li> <li><input type="checkbox"/> Care of Drainage</li> <li><input type="checkbox"/> Application of Bandages, Binders, Splints &amp; Slings</li> <li><input type="checkbox"/> Heat and cold Therapy</li> </ul> </li> </ul>
XIV	<p><b>Meeting special needs of the patient</b></p> <ul style="list-style-type: none"> <li>● Care of patients having alteration in – <ul style="list-style-type: none"> <li><input type="checkbox"/> Temperature (hyper and hypothermia); Types, Assessment, Management</li> <li><input type="checkbox"/> Sensorium (Unconsciousness); Assessment, Management</li> <li><input type="checkbox"/> Urinary Elimination (retention and incontinence); Assessment, management</li> <li><input type="checkbox"/> Functioning of sensory organs; (Visual &amp; hearing impairment)</li> <li><input type="checkbox"/> Assessment of Self-Care ability</li> <li><input type="checkbox"/> Communication methods and special considerations</li> <li><input type="checkbox"/> Mobility (physically challenged, cast), assessment of Self-Care ability: Communication methods and special considerations</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Mental state (mentally challenged), assessment of Self-Care ability;</li> <li><input type="checkbox"/> Communication methods and special considerations:</li> <li><input type="checkbox"/> Respiration (distress); Types, Assessment, management</li> <li><input type="checkbox"/> Comfort – (Pain)-Nature, Types, factors influencing Pain, Coping, Assessment, Management;</li> <li><input type="checkbox"/> Treatments related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric analysis</li> </ul>
XV	<p><b>Care of Terminally ill patient</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Concepts of Loss, Grief, grieving Process</li> <li><input type="checkbox"/> Signs of clinical death</li> <li><input type="checkbox"/> Care of dying patient: special considerations</li> <li>-Advance directives: euthanasia, will, dying declaration, organ donation etc</li> <li><input type="checkbox"/> Medico legal issues</li> <li><input type="checkbox"/> Care of dead body: equipment, procedure and care of unit</li> <li><input type="checkbox"/> Autopsy</li> <li><input type="checkbox"/> Embalming</li> </ul>
XVI	<p><b>Professional Nursing concepts and practices</b></p> <ul style="list-style-type: none"> <li>● Conceptual and theoretical models of nursing practice: Introduction to models holistic model, health belief model, health promotion model etc</li> <li>● Introduction to theories in Nursing; Peplau’s, Henderson’s Orem’s, Neuman’s, Roger’s and Roy’s</li> <li>● Linking theories with nursing process</li> </ul>



# Nursing Foundation – Practical

**Placements :** First year

**Time :** Practical - 650 hrs.

(200 lab and 450 clinical)

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

<b>Clinical Area:</b> Demonstration Lab, General Medical and surgery ward	
<b>Unit</b>	<b>Skills to be developed</b>
I	<p><b>Hospital Admission and discharge</b></p> <ul style="list-style-type: none"> <li>● Admission</li> <li>● Prepare unit for new patient</li> <li>● Prepare admission bed</li> <li>● Performs admission procedure             <ul style="list-style-type: none"> <li><input type="checkbox"/> New patient</li> <li><input type="checkbox"/> Transfer in</li> </ul> </li> <li>● Prepare patient records</li> </ul> <p><b>Discharge/Transfer out</b></p> <ul style="list-style-type: none"> <li>● Gives discharges counseling</li> <li>● Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfer)</li> <li>● Prepare records of discharge/transfer</li> <li>● Dismantle, and disinfect unit and equipment after discharge/transfer</li> </ul> <p><b>Perform Assessment</b></p> <ul style="list-style-type: none"> <li>● History taking, Nursing diagnosis, problem list, prioritization, Goals &amp; Expected Outcomes, selection of interventions</li> <li>● Write nursing care plan</li> <li>● Gives care as per the plan</li> </ul> <p><b>Communication</b></p> <ul style="list-style-type: none"> <li>● Use verbal and non verbal communication techniques</li> </ul>

**Prepare a plan for patient teaching session**

**Write patient report**

- Change – shift reports, Transfer reports, Incident reports etc.
- Presents patient report

**Vital signs**

- Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure

**Health Assessment**

- Health history taking
- Perform assessment:
  - General
  - Body systems
- Use various methods of physical examination
- Inspection, Palpation, Percussion, Auscultation, Olfaction
- Identification of system wise deviations

**Prepare Patient's Unit:**

- Prepare beds:
  - Open, closed, occupied, operation, amputation
  - Cardiac, fracture, burn, Divided, Fowlers, renal bed
- Pain assessment and provision for comfort

**Use comfort devices Hygienic care:**

- Oral hygiene:
- Baths and care of pressure points
- Hair wash, Pediculosis treatment

**Feeding:**

- Oral, Enteral, Naso/orogastric, gastrostomy and Parenteral feeding
- Naso-gastric insertion, suction, and irrigation

**Assisting patient in urinary elimination**

- Provides urinal/bed pan
- Condom drainage
- Perineal care
- Catheterization
- Care of urinary drainage

**Bladder irrigation Assisting bowel Elimination:**

- Insertion of Flatus tube
- Enemas
- Insertion of Suppository

#### **Bowel wash**

#### **Body Alignment and Mobility:**

- Range of motion exercises
- Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position
- Assist patient in Moving, lifting, transferring, walking
- Restraints

#### **Oxygen administration**

#### **Suctioning: Oropharyngeal, nasopharyngeal**

#### **Chest physiotherapy and postural drainage**

#### **Care of Chest drainage**

#### **CPR – Basic life support intravenous therapy**

#### **Blood and blood component therapy**

#### **Collect/assist for collection of specimens for investigations: Urine, sputum, faeces, Vomitus, blood and other body fluids**

#### **Perform lab tests:**

- Urine: sugar, albumin, acetone
- Blood: sugar (with strip/gluco-meter)

#### **Hot and cold application:**

Local and general sitz bath

#### **Communicating and assisting with self-care of visually & hearing impaired patient**

#### **Communicating and assisting with self-care of mentally challenge/disturbed patients**

#### **Recreational and diversional therapies**

Caring of patient with alteration in sensorium

#### **Infection control**

#### **● Perform following procedures:**

- Hand washing techniques
- Simple, hand antiseptics and surgical antiseptics (scrub)
- Prepare isolation unit in lab/ward
- Practice technique of wearing and removing personal protective equipment (PPE)

- Practice Standard safety precautions precautions (Universal precautions)

**Decontamination of equipment and unit:**

- Surgical asepsis:
  - Sterilization
  - Handling sterilized equipment
  - Calculate strengths of lotions,
  - Prepare lotions
- Care of articles

**Pre and post operative care:**

- Skin preparations of surgery: Local
- Preparation of post operative unit
- Pre & post operative teaching and counseling
- Pre and post operative monitoring
- Care of the wound:
- Dressings, suture Care, care of Drainage, Application of Bandages, Binders, Splints & Slings
- Bandaging of various body parts

**Administration medications**

- Administer Medications in different forms and routes
- Oral, Sublingual and Buccal
- Parenteral : Intradermal, subcutaneous, Intramuscular etc.
- Assist with Intra Venous medications
- Drug measurements and dose calculations
- Preparation of lotions and solutions
- Administers topical applications
- Insertion of drug into body cavity: Suppository & medicated packing etc.
- Instillation of medicines and spray into Ear, Eye, Nose and throat
- Irrigations: Eye, Ear, Bladder, Vagina and Rectum
- Inhalations: dry and moist

**Care of dying patient**

- Caring and packing of dead body
- Counseling and supporting grieving relatives
- Terminal care of the unit



# Psychology

Placements : First year

Time : Theory - 60 hrs.

**Course Description:** The course is designed to assist the students to acquire knowledge of fundamentals of psychology and develop an insight into behaviour of self and others, Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

Unit	Content
<b>I</b>	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>● History and origin of science of psychology</li> <li>● Definitions &amp; Scope of Psychology</li> <li>● Relevance to nursing</li> <li>● Methods of Psychology</li> </ul>
<b>II</b>	<p><b>Biology of behaviour</b></p> <ul style="list-style-type: none"> <li>● Body mind relationship modulation process in health and illness</li> <li>● Genetics and behaviour: Heredity and environment' Brain and behaviour: Nervous system, Neurons and synapse,</li> <li>● Association with cortex, Rt and Lt Hemispheres</li> <li>● Psychology of Sensations</li> <li>● Muscular and glandular controls of behaviour</li> <li>● Nature of behaviour of an organism/Integrated response</li> </ul>
<b>III</b>	<p><b>Cognitive processes</b></p> <ul style="list-style-type: none"> <li>● Attention: Types, determinants, Duration &amp; degree, alterations</li> <li>● Perception: Meaning, Principles, factors affecting, Errors,</li> <li>● Learning: Nature, Types, learner and learning, factors influencing, laws and theories, process, transfer, study habits</li> <li>● Memory: Meaning, Types, Nature, factors influencing, Development Theories and methods of memorizing and Forgetting</li> <li>● Thinking: Types and levels, stages of development, Relationship with language and communication</li> <li>● Intelligence: Meaning, classification, uses, theories</li> <li>● Aptitude: Concept, types Individual differences and variability</li> <li>● Psychometric assessment of cognitive processes</li> <li>● Alterations in cognitive processes</li> <li>● Applications</li> </ul>



IV	<p><b>Motivation and Emotional Processes</b></p> <ul style="list-style-type: none"> <li>● Motivation: Meaning, concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution</li> <li>● Emotions &amp; stress <ul style="list-style-type: none"> <li>□ Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness</li> <li>□ Stress: stressors, cycle, effect, adaptation &amp; coping</li> </ul> </li> <li>● Attitude: Meaning, nature, development, factors affecting, <ul style="list-style-type: none"> <li>□ Behaviour and attitudes</li> <li>□ Attitudinal change</li> </ul> </li> <li>● Psychometric assessments of emotions and attitudes</li> <li>● Alterations in emotions</li> <li>● Application</li> </ul>
V	<p><b>Personality</b></p> <ul style="list-style-type: none"> <li>● Definitions, topography, types, theories</li> <li>● Psychometric assessments of personality</li> <li>● Alterations in personality</li> <li>● Applications</li> </ul>
VI	<p><b>Development Psychology</b></p> <ul style="list-style-type: none"> <li>● Psychology of people at different ages from infancy to old age</li> <li>● Psychology of vulnerable individuals – challenged, woken, sick, etc.</li> <li>● Psychology of groups</li> </ul>
VII	<p><b>Mental hygiene and mental Health</b></p> <ul style="list-style-type: none"> <li>● Concepts of mental hygiene and mental health</li> <li>● Characteristics of mentally healthy person</li> <li>● Warning signs of poor mental health</li> <li>● Promotive and preventive mental health strategies and services</li> <li>● Ego Defense mechanisms and implications</li> <li>● Personal and social adjustments</li> <li>● Guidance and counseling</li> <li>● Role of nurse</li> </ul>
VIII	<p><b>Psychological assessment &amp; tests</b></p> <ul style="list-style-type: none"> <li>● Types, development, Characteristics, Principles, Uses, Interpretations and role of nurse in psychological assessment</li> </ul>



# Microbiology

**Placements:** First year

Time : Theory - 60 hrs. (Theory 45+15 lab)

**Course Description:** This Course is designed to enable students to acquire understanding of fundamentals of microbiology and identification various micro-organisms. It also provides opportunity for practicing infection control measures in hospital and community settings.

Unit	Content
I.	<p><b>Introduction:</b></p> <ul style="list-style-type: none"> <li>● Importance and relevance to nursing</li> <li>● Historical perspective</li> <li>● Concepts and terminology</li> <li>● Principles of microbiology</li> </ul>
II.	<p><b>General characteristics of Microbes</b></p> <ul style="list-style-type: none"> <li>● Structure and classification of microbes</li> <li>● Morphological types</li> <li>● Size and forms of bacteria</li> <li>● Motility</li> <li>● Colonization</li> <li>● Growth and nutrition of microbes               <ul style="list-style-type: none"> <li><input type="checkbox"/> Temperature</li> <li><input type="checkbox"/> Moisture</li> <li><input type="checkbox"/> Blood and body fluids</li> </ul> </li> <li>● Laboratory methods for Identification of Microorganisms</li> <li>● Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation</li> <li>● Culture; various medias</li> </ul>
III	<p><b>Infection Control</b></p> <ul style="list-style-type: none"> <li>● Infection: Sources, portals of entry and exit, transmission</li> <li>● Asepsis</li> <li>● Disinfections; Types and methods</li> <li>● Sterilization; types and methods</li> <li>● Chemotherapy and antibiotics</li> <li>● Standard safety measures</li> <li>● Biomedical waste management</li> <li>● Role of Nurse</li> </ul>

	<ul style="list-style-type: none"> <li>● Hospital acquired infection</li> <li>● Hospital infection control programme <ul style="list-style-type: none"> <li>□ Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc.</li> </ul> </li> </ul>
IV	<p><b>Pathogenic organisms</b></p> <ul style="list-style-type: none"> <li>● Micro-organism <ul style="list-style-type: none"> <li>□ Cocci-gram positive and gram negative</li> <li>□ Bacilli-gram positive and gram negative</li> <li>□ Spirochete</li> <li>□ Mycoplasma</li> <li>□ Rickettsiae</li> <li>□ Chlamydiae</li> </ul> </li> <li>● Viruses</li> <li>● Fungi-Superficial and Deep mycoses</li> <li>● Parasites</li> <li>● Rodents &amp; vectors Characteristics, Source, portal of entry, transmission of infection</li> </ul> <p>Identification of disease Producing micro-organisms Collection, handling and transportation of various specimens</p>
V	<p><b>Immunity</b></p> <ul style="list-style-type: none"> <li>● Immunity – Types, classification</li> <li>● Antigen and antibody reaction</li> <li>● Hypersensitivity – skin test</li> <li>● Serological test</li> <li>● Immunoprophylaxis</li> <li>● Vaccines &amp; sera-Types &amp; classification, storage and handling, cold chain</li> <li>● Immunization for various disease</li> <li>● Immunization Schedule</li> </ul>



# Introduction to Computer

Placements : First year

Time : Theory – 45 Hrs.

**Course Description:** This course is designed for students to develop basic understanding of uses of computer and its applications in nursing.

Unit	Content
I.	<p><b>Introduction:</b></p> <ul style="list-style-type: none"> <li>● Concepts of computers</li> <li>● Hardware and software; trends and technology</li> <li>● Application of computer in nursing</li> </ul>
II	<ul style="list-style-type: none"> <li>● Introduction to disk operating system               <ul style="list-style-type: none"> <li><input type="checkbox"/> DOS</li> <li><input type="checkbox"/> Windows (all version)</li> </ul> </li> <li>Introduction               <ul style="list-style-type: none"> <li><input type="checkbox"/> MS-Word</li> <li><input type="checkbox"/> MS-Excel with pictorial presentation</li> <li><input type="checkbox"/> MS-Access</li> <li><input type="checkbox"/> MS-Power Point</li> </ul> </li> </ul>
III	<ul style="list-style-type: none"> <li>● Multimedia; types &amp; uses</li> <li>● Computer aided teaching &amp; testing</li> </ul>
IV	<ul style="list-style-type: none"> <li>● Use of Internet and: e-mail</li> </ul>
V	<ul style="list-style-type: none"> <li>● Statistical packages: Types and their features</li> </ul>
VI	<ul style="list-style-type: none"> <li>● Hospital Management system: Types and uses</li> </ul>



# Sociology

Placements : Second year

Time : Theory – 60 Hrs.

**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.

Unit	Content
I. 1 hrs.	<b>Introduction:</b> <ul style="list-style-type: none"> <li>● Definition of Sociology</li> <li>● Nature and Scope of the discipline</li> <li>● Importance and application of Sociology in Nursing</li> </ul>
II. 3 hrs.	<b>Individual &amp; Society</b> <ul style="list-style-type: none"> <li>● Social and community</li> <li>● Nature of Society</li> <li>● Difference between Society and community</li> <li>● Process of Socialization and individualization</li> <li>● Personal disorganization</li> </ul>
III. 3 hrs.	<b>Culture</b> <ul style="list-style-type: none"> <li>● Nature of culture</li> <li>● Evolution of culture</li> <li>● Diversity and uniformity of culture</li> <li>● Biodiversity and its conservation <ul style="list-style-type: none"> <li><input type="checkbox"/> Definition-definition, species and ecosystem diversity</li> <li><input type="checkbox"/> Biogeographical classification of India</li> <li><input type="checkbox"/> Value of biodiversity: consumptive use, productive use, social ethical, aesthetic and option values</li> <li><input type="checkbox"/> Biodiversity at global, National and local levels, hotspots</li> <li><input type="checkbox"/> Threats : habitat loss, poaching of wildlife, man-wildlife conflicts</li> <li><input type="checkbox"/> Endangered and endemic species of India</li> <li><input type="checkbox"/> Conservation of Biodiversity: In-situ and ex-situ conservation of biodiversity.</li> </ul> </li> <li>● Culture and socialization</li> <li>● Transcultural society</li> </ul>

	<ul style="list-style-type: none"> <li>● Influence on health and disease</li> </ul>
IV. 4 hrs.	<p><b>Social groups and Processes</b></p> <ul style="list-style-type: none"> <li>● The meaning and classification of groups</li> <li>● Primary &amp; Secondary group</li> <li>● In-group V/s. Out-group, class Tribe, Caste</li> <li>● Economic, Political, Religious groups, Mob, Crowd, Public and audience Interaction &amp; Social Processes</li> <li>● Co-Operation, Competition, Conflict</li> <li>● Accommodation, Assimilation &amp; Isolation</li> </ul>
V. 6 hrs	<p><b>Population</b></p> <ul style="list-style-type: none"> <li>● Society and population</li> <li>● Population distribution in India. Demographic Characteristics</li> <li>● Malthusian theory of Populations</li> <li>● Population explosion in India and its impact on health status</li> <li>● Family welfare programme</li> </ul>
VI. 5 hrs.	<p><b>Family and Marriage</b></p> <ul style="list-style-type: none"> <li>● Family –functions</li> <li>● Types-joint, Nuclear, Blended and extended family:</li> <li>● The modern Family-Changes, Problems-Dowry etc., Welfare Services</li> <li>● Changes &amp; legislations on family and marriage in India-marriage acts</li> <li>● Marriage: Forms and functions of marriage,</li> <li>● Marriage and family problems in India</li> <li>● Family, marriage and their influence on health and health practices</li> </ul>
VII. 7 hrs	<p><b>Social Stratification</b></p> <ul style="list-style-type: none"> <li>● Meaning &amp; types of social stratification</li> <li>● The Indian Caste System-origin &amp; features</li> <li>● Features of Caste in India today</li> <li>● Social Class system and status</li> <li>● Social Mobility-Meaning &amp; Types</li> <li>● Race as a biological concept, criteria of racial classification</li> <li>● Salient features of Primary races-Racism</li> <li>● Influence of Class, Caste and Race on health and health practices</li> </ul>
VIII	<p><b>Types of Communities in India (Rural, Urban and Regional)</b></p>

6 hrs	<ul style="list-style-type: none"> <li>● Features of village community &amp; Characteristics of Indian villages-Panchayat system, social dynamics</li> <li>● Community Development project &amp; Planning</li> <li>● Changes in Indian Rural life</li> <li>● Availability of health facilities in rural and its impact on health and health practice</li> <li>● Urban-Community – features</li> <li>● The growth of cities: Urbanization and its impact on health and health practices</li> <li>● Major Urban problems – Urban slums, Energy problem, water problem</li> <li>● Environmental pollution: cause effect, control and prevention.</li> <li>● Region: Problems and impact on Health</li> </ul>
IX 4 hrs	<p><b>Social Change</b></p> <ul style="list-style-type: none"> <li>● Nature and process of social change</li> <li>● Factors influencing social change: cultural change, cultural lag.</li> <li>● Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional</li> <li>● Resentment and rehabilitation of people, its problems and concern</li> </ul> <p>Role of nurse-Change agents</p>
X 4 hrs	<p><b>Social organization and social system</b></p> <ul style="list-style-type: none"> <li>● Social organization: elements, types</li> <li>● Democratic and authoritarian modes of participation</li> <li>● Voluntary associations</li> <li>● Social system: definition and Types of social system</li> <li>● Role and status as structural elements of social system</li> <li>● Inter-relationship of institution</li> </ul>
XI 2 hrs	<p><b>Social Control</b></p> <ul style="list-style-type: none"> <li>● Nature and process of social control</li> <li>● Political, legal, Religious, Educational, Economic, Industrial and technological systems, Norms &amp; Values-folkways &amp; Mores customs, Laws and fashion</li> </ul> <p>Role of nurse</p>
XII 15 hrs	<p><b>Social Problem</b></p> <ul style="list-style-type: none"> <li>● Social disorganization</li> <li>● Control &amp; Planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women &amp; children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime,</li> </ul>

substance abuse, HIV/AIDS.

- Social welfare programmes in India

Role of nurse







# Pharmacology

Placements : Second year

Time : Theory – 45 Hrs.

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

Unit	Content
I 3 hrs.	<p><b>Introduction to pharmacology</b></p> <ul style="list-style-type: none"> <li>● Definitions</li> <li>● Sources</li> <li>● Terminology used</li> <li>● Types: Classification</li> <li>● Pharmacodynamics : Actions, therapeutic.</li> <li>● Adverse, toxic</li> <li>● Pharmacokinetics: absorption, distribution, excretion</li> <li>● Review: Routes and principles of administration of drugs</li> <li>● Indian pharmacopoeia: Legal issues</li> <li>● Rational use of drug</li> <li>● Principles of therapeutics</li> </ul>
II. 6 hrs.	<p><b>Chemotherapy</b></p> <ul style="list-style-type: none"> <li>● Pharmacology of commonly used:               <ul style="list-style-type: none"> <li><input type="checkbox"/> Penicillin</li> <li><input type="checkbox"/> Cephalosporins</li> <li><input type="checkbox"/> Aminoglycosides</li> <li><input type="checkbox"/> Macrolide &amp; Broad Spectrum Antibiotics</li> <li><input type="checkbox"/> Sulfonamides</li> <li><input type="checkbox"/> Quinolones</li> <li><input type="checkbox"/> Antiamoebic</li> <li><input type="checkbox"/> Antimalarials</li> <li><input type="checkbox"/> Anthelmintics</li> <li><input type="checkbox"/> Antiscabies agents</li> <li><input type="checkbox"/> Antiviral &amp; Anti-fungal agents</li> <li><input type="checkbox"/> Antitubercular drugs</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Anti leprosy drugs</li> <li><input type="checkbox"/> Anticancer drugs</li> <li><input type="checkbox"/> Immuno-suppressants</li> </ul> <p>Composition, actions, dosage, route, indications, contraindications, drugs interactions, side effects, adverse effects, toxicity and role of nurse</p>
III 2 hrs.	<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>
IV 2 hrs.	<p><b>Drugs acting on G.I. system</b></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 and role of nurse</p>
V 2 hrs.	<p><b>Drugs used on Respiratory Systems</b></p> <ul style="list-style-type: none"> <li>● Pharmacology of commonly used – <ul style="list-style-type: none"> <li><input type="checkbox"/> Antiasthmatics</li> <li><input type="checkbox"/> Muxoltrixa</li> <li><input type="checkbox"/> Decongestants</li> <li><input type="checkbox"/> Expectorants</li> <li><input type="checkbox"/> Expectorants</li> <li><input type="checkbox"/> Antitussives</li> <li><input type="checkbox"/> Bronchodilators</li> <li><input type="checkbox"/> Broncho constrictors</li> <li><input type="checkbox"/> Antihistamines</li> </ul> </li> </ul>

	Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse
VI 2 hrs.	<p><b>Drugs used on urinary system</b></p> <ul style="list-style-type: none"> <li>● Pharmacology of commonly used- <ul style="list-style-type: none"> <li><input type="checkbox"/> Diuretics and antidiuretics</li> <li><input type="checkbox"/> Urinary antiseptics</li> <li><input type="checkbox"/> Cholinergic and anticholinergics</li> <li><input type="checkbox"/> Acidifiers and alkalinizes</li> </ul> </li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>
VII 4 hrs.	<p><b>Miscellaneous</b></p> <ul style="list-style-type: none"> <li>● Drugs used in de-addiction</li> <li>● Drug used in CPR and emergency</li> <li>● Vitamins and minerals</li> <li>● Immunosuppresants</li> <li>● Antidotes</li> <li>● Antivenom</li> <li>● Vaccines and sera</li> </ul>
VIII 1 hrs.	<p><b>Drugs used on skin and mucous membranes</b></p> <ul style="list-style-type: none"> <li>● Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics</li> <li>● Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</li> </ul>
IX 8 hrs.	<p><b>Drugs acting on nervous system</b></p> <ul style="list-style-type: none"> <li>● Basic &amp; applied pharmacology of commonly used: Analgesics and Anaesthetics <ul style="list-style-type: none"> <li><input type="checkbox"/> Analgesics <ul style="list-style-type: none"> <li>- Non steroidal antinflammatory (NSAID) drugs</li> </ul> </li> <li><input type="checkbox"/> Antipyretics</li> <li><input type="checkbox"/> Hypnotics and Sedatives <ul style="list-style-type: none"> <li>- Opioids</li> <li>- Non-Opiodis</li> <li>- Tranquilizers</li> <li>- General &amp; local anesthetics</li> <li>- Gases: oxygen, nitrous oxide, carbon-dioxide</li> </ul> </li> </ul> </li> <li>● Cholinergic and anti-cholinergics:</li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Muscle relaxants</li> <li><input type="checkbox"/> Major tranquilizers</li> <li><input type="checkbox"/> Anti – psychotic</li> <li><input type="checkbox"/> Antidepressants</li> <li><input type="checkbox"/> Anticonvulsants</li> <li><input type="checkbox"/> Adrenergics</li> <li><input type="checkbox"/> Noradrenergics</li> <li><input type="checkbox"/> Mood stabilizers</li> <li><input type="checkbox"/> Acetylcholine</li> <li><input type="checkbox"/> Stimulants</li> <li><input type="checkbox"/> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</li> </ul>
X 5 hrs.	<p><b>Cardiovascular drugs</b></p> <ul style="list-style-type: none"> <li>● Haematinics</li> <li>● Cardiotonics</li> <li>● Anti anginals</li> <li>● Anti-hypertensives &amp; Vasodilators</li> <li>● Anti-arrhythmics</li> <li>● Plasma expanders</li> <li>● Coagulants &amp; anticoagulants</li> <li>● Coagulants &amp; anticoagulants</li> <li>● Hypolipidemics</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>
XI 4 hrs.	<p><b>Drugs used for hormonal disorders and supplementations, contraception and medical termination of pregnancy</b></p> <ul style="list-style-type: none"> <li>● Insulins &amp; Oral hypoglycemics</li> <li>● Thyroid supplements and suppressants</li> <li>● Steroids, Anabolics</li> <li>● Uterine stimulants and relaxants</li> <li>● Oral contraceptives</li> <li>● Other estrogen-progesterone preparations</li> <li>● Corticotrophin &amp; Gonadotrophins</li> </ul>

	<ul style="list-style-type: none"> <li>● Adrenaline</li> <li>● Prostaglandins</li> <li>● Calcitonins</li> <li>● Calcium salts</li> <li>● Calcium regulators</li> </ul> <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>
<p>XII 6 hrs.</p>	<p><b>Introduction to Drugs use in alternative systems of medicine:</b></p> <ul style="list-style-type: none"> <li>● Ayurveda, Homeopathy, Unani and Siddha etc</li> </ul>



# Pathology and Genetics

## Section A- Pathology

Placements : Second year

Time: Theory – 45 hours (Pathology 30 & Genetics 15 hrs)

**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.

Unit	Content
I 3 hrs.	<ul style="list-style-type: none"> <li>● <b>Introduction</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Importance of the study of pathology</li> <li><input type="checkbox"/> Definition of terms</li> <li><input type="checkbox"/> Methods and techniques</li> <li><input type="checkbox"/> Cellular and Tissue changes</li> <li><input type="checkbox"/> Infiltration and regeneration</li> <li><input type="checkbox"/> Inflammations and Infections</li> <li><input type="checkbox"/> Wound healing</li> <li><input type="checkbox"/> Vascular changes</li> </ul> </li> <li>● <b>Cellular growth, Neoplasm</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Normal and cancer cell</li> <li><input type="checkbox"/> Benign and Malignant growths</li> <li><input type="checkbox"/> In situ carcinoma</li> </ul> </li> <li>● Disturbance of fluid and electrolyte imbalance</li> </ul>
II 10hrs. (T)  5 hrs. (P)	<p><b>Special pathology</b></p> <ul style="list-style-type: none"> <li>● Pathological changes in disease conditions of various system:</li> <li>● <b>Respiratory tract</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Tuberculosis, Bronchitis, Pleural effusion and pneumonia, Lung abscess, emphysema, bronchiectasis</li> <li><input type="checkbox"/> Bronchial asthma, chronic obstructive pulmonary disease &amp; tumours</li> </ul> </li> </ul>

- **Cardio-vascular system**
  - Pericardial effusion
  - Rheumatic heart disease
  - Infective endocarditis, atherosclerosis
  - Ischemia, infection & aneurysm
- **Gastro Intestinal tract**
  - Peptic ulcer, typhoid
  - Carcinoma of GI tract buccal, Esophageal,
  - Gastric & intestinal
- **Liver, Gall bladder & pancreas**
  - Hepatitis, Chronic liver abscess, cirrhosis
  - Tumours of liver, gall bladder and pancreas
  - Cholecystitis
- **Kidneys & urinary tract**
  - Glomerulonephritis, pyelonephritis
  - Calculi, renal failure, renal carcinoma & cystitis
- **Male genital systems**
  - Cryptorchidism, testicular atrophy
  - Prostatic hyperplasia, carcinoma Penis & prostate
- **Female genital system**
  - Fibroids
  - Carcinoma cervix and Endometrium
  - Vesicular mole, choriocarcinoma
  - Ectopic gestation
  - Ovarian cyst & tumour
- **Caner Breast**
- **Central Nervous system**
  - Hydrocephalus, meningitis, encephalitis,
  - Vascular disorders – thrombosis, embolism
  - Stroke, paraplegia, quadriplegia
  - Tumours, meningiomas, gliomas

	<ul style="list-style-type: none"> <li>● <b>Metastatic tumour</b></li> <li>● <b>Skeletal system</b> <ul style="list-style-type: none"> <li>□ Bone healing, osteoporosis, osteomyelitis Arthritis &amp; tumours</li> </ul> </li> </ul>
<p>III</p> <p>4 hrs. (T)</p> <p>3 hrs. (P)</p>	<p><b>Clinical 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 cell &amp; platelet counts</li> <li>□ Bleeding time, clotting time and prothrombine 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, microbiology tests, inference and normal value</li> </ul> </li> </ul>
<p>IV</p> <p>2 hrs. (T)</p> <p>1 hrs. (P)</p>	<p><b>Examination of body cavity fluids, transudates and exudates</b></p> <ul style="list-style-type: none"> <li>● The laboratories tests used in CSF analysis</li> <li>● Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge etc.</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> </ul>
<p>V</p> <p>1 hrs. (T)</p> <p>1 hrs. (P)</p>	<p><b>Urine and faeces</b></p> <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>● Faeces <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>





## Section B- Genetics

**Placements :** Second year

Time : Theory – 15 Hrs.

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

Unit	Content
I 3 hrs.	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>● Practical application of genetics in Nursing</li> <li>● Impact of genetic conditions on families</li> <li>● Review of cellular division mitosis and meiosis</li> <li>● Characteristics and structure of genes</li> <li>● Chromosomes – Sex determination               <ul style="list-style-type: none"> <li><input type="checkbox"/> Chromosomal aberrations patterns of inheritance</li> <li><input type="checkbox"/> Multiple allots and blood groups</li> <li><input type="checkbox"/> Sex linked inheritance</li> <li><input type="checkbox"/> Mechanism of inheritance</li> <li><input type="checkbox"/> Errors in transmission (Mutation)</li> </ul> </li> </ul>
II 3 hrs.	<p><b>Maternal, prenatal and genetic influences on development of defects and disease</b></p> <ul style="list-style-type: none"> <li>● Condition 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 disgnosis</li> <li>● Effect of Radiation, drugs and chemicals</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>
III 2 hrs.	<p><b>Genetic testing in the neonates and children</b></p> <ul style="list-style-type: none"> <li>● Screening for               <ul style="list-style-type: none"> <li><input type="checkbox"/> Congenital abnormalities</li> <li><input type="checkbox"/> Developmental delay</li> <li><input type="checkbox"/> Dimorphism</li> </ul> </li> </ul>

<p>IV 2 hrs.</p>	<p><b>Genetic conditions of adolescents and adults</b></p> <ul style="list-style-type: none"> <li>● Cancer genetics – Familial cancer</li> <li>● Inborn errors of metabolism hematological disorder</li> <li>● Genetic haemochromatosis</li> <li>● Huntington’s disease</li> <li>● Mental illness</li> </ul>
<p>V 2 hrs.</p>	<p><b>Services related to Genetics</b></p> <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> </ul> <p>Legal and Ethical issues</p> <p>Role of nurse</p>



# Medical Surgical Nursing (Adult including Geriatrics) – I

Placements : Second year

Time : 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 and surgical disorders in varieties of health care settings and at home.

Unit	Content
I  15 hrs.	<p><b>Introduction:</b></p> <ul style="list-style-type: none"> <li>● Introduction to medical surgical nursing – Evolution and trends of medical and surgical nursing</li> <li>● Review of Concepts of Health and illness, Disease – concepts, causations, classification- International Classification of Diseases (ICD – 10 or later version), Acute illness chronic illness &amp; Terminal illness, stages of illness</li> <li>● Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process.</li> <li>● Role of nurse, patient and family in care of adult patient</li> <li>● Role and responsibilities of a nurse in medical surgical settings: <ul style="list-style-type: none"> <li><input type="checkbox"/> Outpatient department</li> <li><input type="checkbox"/> In-patient unit</li> <li><input type="checkbox"/> Intensive care unit.</li> <li><input type="checkbox"/> Home and community setting</li> </ul> </li> <li>● Introduction to medical surgical asepsis <ul style="list-style-type: none"> <li><input type="checkbox"/> Inflammation and infection</li> <li><input type="checkbox"/> Immunity</li> <li><input type="checkbox"/> Wound healing</li> </ul> </li> <li>● Care of surgical patient <ul style="list-style-type: none"> <li><input type="checkbox"/> Pre-operative</li> <li><input type="checkbox"/> Intra operative</li> <li><input type="checkbox"/> Post operative</li> </ul> </li> </ul>

<p>II 15 hrs.</p>	<p><b>Common signs and symptoms and management</b></p> <ul style="list-style-type: none"> <li>● Fluid and electrolyte imbalance</li> <li>● Vomiting</li> <li>● Dyspnea and cough, respiratory obstruction</li> <li>● Fever</li> <li>● Shock</li> <li>● Unconsciousness, syncope</li> <li>● Pain</li> <li>● Incontinence</li> <li>● Edema</li> <li>● Age related problems-geriatric</li> </ul>
<p>III 20 hrs.</p>	<p><b>Nursing management of patients (adults including elderly) with respiratory problems</b></p> <ul style="list-style-type: none"> <li>● Review of anatomy and physiology of respiratory system</li> <li>● Nursing assessment – History and Physical assessment</li> <li>● Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetic &amp; nursing management of adults including elderly with – <ul style="list-style-type: none"> <li><input type="checkbox"/> Upper Respiratory tract infections</li> <li><input type="checkbox"/> Bronchitis</li> <li><input type="checkbox"/> Asthma</li> <li><input type="checkbox"/> Emphysema</li> <li><input type="checkbox"/> Atelectasis</li> <li><input type="checkbox"/> Chronic Obstructive Pulmonary Disease (COPD)</li> <li><input type="checkbox"/> Bronchiectasis</li> <li><input type="checkbox"/> Pneumonia</li> <li><input type="checkbox"/> Pulmonary tuberculosis</li> <li><input type="checkbox"/> Lung abscess</li> <li><input type="checkbox"/> Pleural effusion</li> <li><input type="checkbox"/> Cysts and tumours</li> <li><input type="checkbox"/> Chest Injuries</li> <li><input type="checkbox"/> Respiratory arrest and insufficiency</li> <li><input type="checkbox"/> Pulmonary embolism</li> </ul> </li> </ul>

	<p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of respiratory disorders</p>
<p>IV</p> <p>30 hrs.</p>	<p><b>Nursing Management of patient (adults including elderly) with disorders of digestive system</b></p> <ul style="list-style-type: none"> <li>● Review of anatomy and physiology of digestive system</li> <li>● Nursing assessment-history and physical assessment</li> <li>● Etiology, pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management</li> <li>● Disorders of <ul style="list-style-type: none"> <li><input type="checkbox"/> Oral cavity-lips, gums tongue, salivary glands and teeth</li> <li><input type="checkbox"/> Oesophagus – inflammation, stricture, obstruction, bleeding and tumours</li> <li><input type="checkbox"/> Stomach and duodenum hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis.</li> <li><input type="checkbox"/> Small intestinal disorders- inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation</li> <li><input type="checkbox"/> Large intestinal disorders- colitis, inflammation and infection, obstruction and tumour and lump</li> <li><input type="checkbox"/> Hernias</li> <li><input type="checkbox"/> Appendix-inflammation, mass, abscess, rupture</li> <li><input type="checkbox"/> Anal &amp; Rectum; hemorrhoids, fissures, fistulas</li> <li><input type="checkbox"/> Peritonitis/acute abdomen</li> <li><input type="checkbox"/> Pancreas; inflammation, cyst, abscess and tumours</li> <li><input type="checkbox"/> Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours</li> <li><input type="checkbox"/> Gall Bladder; inflammation, obstruction, stones and tumours</li> </ul> </li> </ul> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of digestive system</p>

<p>V</p> <p>30 hrs.</p>	<p><b>Nursing management of patient (adults including elderly) with blood and cardio vascular problems</b></p> <ul style="list-style-type: none"> <li>● Review of anatomy and physiology of blood and cardio vascular system,</li> <li>● Nursing Assessment-History and physical assessment</li> <li>● Etiology, Pathophysiology, clinical manifestation diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of -</li> <li>● <b>Vascular system</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Hypertension, hypotension</li> <li><input type="checkbox"/> Artherosclerosis</li> <li><input type="checkbox"/> Raynaud's disease</li> <li><input type="checkbox"/> Aneurism and peripheral Vascular disorders</li> </ul> </li> </ul> <p><b>Heart</b></p> <ul style="list-style-type: none"> <li>● Coronary artery diseases <ul style="list-style-type: none"> <li><input type="checkbox"/> Ischemic Heart Disease</li> <li><input type="checkbox"/> Coronary atherosclerosis</li> <li><input type="checkbox"/> Angina pectoris</li> <li><input type="checkbox"/> Myocardial infarction</li> </ul> </li> <li>● Valvular disorders of the heart <ul style="list-style-type: none"> <li><input type="checkbox"/> Congential and acquired</li> <li><input type="checkbox"/> Rheumatic Heart disease</li> </ul> </li> <li>● Endocarditis, pericarditis, Myocarditis</li> <li>● Cardio Myopathies</li> <li>● Cardiac dysrhythmias, Heart Block</li> <li>● Congestive cardiac failure <ul style="list-style-type: none"> <li><input type="checkbox"/> Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade</li> </ul> </li> <li>● Cardiac emergencies and arrest</li> <li>● Cardio Pulmonary Resuscitation (CPR)</li> <li>● Blood <ul style="list-style-type: none"> <li><input type="checkbox"/> Anaemias</li> <li><input type="checkbox"/> Polycythemia</li> <li><input type="checkbox"/> Bleeding disorders; clotting factor defects and platelets defects</li> <li><input type="checkbox"/> Thalassemia</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li><input type="checkbox"/> Leukaemias</li> <li><input type="checkbox"/> Leukopenias and agranulocytosis</li> <li><input type="checkbox"/> Lymphomas</li> <li><input type="checkbox"/> Myelomas</li> <li>● Special therapies <ul style="list-style-type: none"> <li><input type="checkbox"/> Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.</li> </ul> </li> <li>● Management and counseling of blood donors, phlebotomy procedure, and post donation management, blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion <ul style="list-style-type: none"> <li><input type="checkbox"/> Role of a nurse in Organ donation, retrieval and banking</li> </ul> </li> </ul> <p>Alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of blood and cardio vascular disorders</p>
<p>VI</p> <p>10 hrs.</p>	<p><b>Nursing management of patient (adults including elderly) with genito-urinary problems</b></p> <ul style="list-style-type: none"> <li>● Review of anatomy and physiology of genito-urinary system</li> <li>● Nursing Assessment- History and Physical assessment</li> <li>● Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of –</li> <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> <li>● Disorders of ureter, urinary bladder and urethra - inflammation, infection, stricture, obstruction, tumour, prostate</li> </ul>

	<p>Special therapies, Alternative therapies</p> <p>Nursing procedures</p> <p>Drug used in treatment of genito urinary disorders</p>
<p>VII</p> <p>5 hrs.</p>	<p><b>Nursing management of disorders of male (adults including elderly) reproductive system</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, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of disorders of male reproductive system</li> <li>● Congenital malformations cryptorchidism</li> <li>● Hypospadiasis, Epispadiasis</li> <li>● Infections</li> <li>● Testes and adjacent structures</li> <li>● Penis</li> <li>● Prostate: inflammation, infection, hypertrophy, tumour</li> <li>● Sexual Dysfunction</li> <li>● Contraception</li> <li>● Breast; gynecomastia, tumour</li> <li>● Climacteric changes, special therapies, alternative therapies</li> </ul> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders male reproductive system</p>
<p>VIII</p> <p>10 hrs.</p>	<p><b>Nursing management of patient (adults including elderly) with disorders of endocrine system</b></p> <ul style="list-style-type: none"> <li>● Review of anatomy and physiology of endocrine 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 - <ul style="list-style-type: none"> <li><input type="checkbox"/> Disorders of thyroid and parathyroid</li> <li><input type="checkbox"/> Diabetes mellitus</li> <li><input type="checkbox"/> Diabetes insipidus</li> <li><input type="checkbox"/> Adrenal tumour</li> <li><input type="checkbox"/> Pituitary disorders,</li> </ul> </li> </ul>



	<p>Special therapies, alternative therapies</p> <p>Nursing procedure</p> <p>Drug used in treatment of disorders of endocrine system</p>
IX 10 hrs.	<p><b>Nursing management of patient (adults including elderly) with disorders of integumentary system</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, diagnosis, treatment modalities and medical, surgical dietetics &amp; nursing management of disorders of skin and its appendage – <ul style="list-style-type: none"> <li><input type="checkbox"/> Lesions and abrasions</li> <li><input type="checkbox"/> Infection and infestations; Dermatitis</li> <li><input type="checkbox"/> Dermatoses; infectious and non infectious “inflammatory dermatoses”</li> <li><input type="checkbox"/> Acne Vulgaris</li> <li><input type="checkbox"/> Allergies and Eczema</li> <li><input type="checkbox"/> Psoriasis</li> <li><input type="checkbox"/> Malignant melanoma</li> <li><input type="checkbox"/> Alopecia</li> </ul> </li> </ul> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of Integumentary system</p>
X 15 hrs.	<p><b>Nursing management of patient (adults including elderly) with musculoskeletal problems</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 manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of - <ul style="list-style-type: none"> <li><input type="checkbox"/> Muscles, Ligaments and joints-inflammation, infection, trauma</li> <li><input type="checkbox"/> Bones inflammation, infection, dislocation, fracture, tumour and trauma</li> <li><input type="checkbox"/> Osteomalacia and osteoporosis</li> <li><input type="checkbox"/> Arthritis</li> <li><input type="checkbox"/> Congenital deformities</li> <li><input type="checkbox"/> Spinal column – defects and deformities, tumor, Prolapsed inter vertebral disc, pott’s spine</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>☐ Paget's disease</li> <li>● Amputation</li> <li>● Prosthesis</li> <li>● Transplant &amp; replacement surgeries</li> <li>● Rehabilitation</li> <li>● Special therapies,</li> <li>● Alternative therapies</li> </ul> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of musculoskeletal system</p>
<p>XI</p> <p>10 hrs.</p>	<p><b>Nursing management of patient (adult including elderly) with Immunological problems</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>● Phagocyte dysfunction</li> <li>● B-cell and T-cell deficiencies</li> <li>● Secondary immunodeficiency</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' role 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</li> </ul> <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of immunological system</p>

<p>XII</p> <p>20 hrs.</p>	<p><b>Nursing management of patient (adults including elderly) with Communicable Diseases</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 dietics. Control and eradication of common communicable disease – <ul style="list-style-type: none"> <li><input type="checkbox"/> Tuberculosis</li> <li><input type="checkbox"/> Diarrhoeal diseases</li> <li><input type="checkbox"/> Hepatitis A-E</li> <li><input type="checkbox"/> Herpes</li> <li><input type="checkbox"/> Chickenpox</li> <li><input type="checkbox"/> Smallpox</li> <li><input type="checkbox"/> Typhoid</li> <li><input type="checkbox"/> Meningitis</li> <li><input type="checkbox"/> Gas gangrene</li> <li><input type="checkbox"/> Leprosy</li> <li><input type="checkbox"/> Dengue</li> <li><input type="checkbox"/> Plague</li> <li><input type="checkbox"/> Malaria</li> <li><input type="checkbox"/> Diphtheria</li> <li><input type="checkbox"/> Pertussis</li> <li><input type="checkbox"/> Poliomyelitis</li> <li><input type="checkbox"/> Measles</li> <li><input type="checkbox"/> Mumps</li> <li><input type="checkbox"/> Influenza</li> <li><input type="checkbox"/> Yellow fever</li> <li><input type="checkbox"/> Filariasis</li> <li><input type="checkbox"/> HIV, AIDS</li> </ul> </li> </ul> <p>Reproductive Tract Infections  Special Infection Control measures; Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals  Special therapies, alternative therapies  Nursing procedures  Drugs used in treatment of Communicable diseases</p>
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<p>XIII</p> <p>25 hrs.</p>	<p><b>Peri Operative nursing:</b></p> <ul style="list-style-type: none"> <li>● Organisation and Physical set up of the Operation Theatre (OT): <ul style="list-style-type: none"> <li><input type="checkbox"/> Classifications</li> <li><input type="checkbox"/> O.T. Design</li> <li><input type="checkbox"/> Staffing</li> <li><input type="checkbox"/> Members of the OT team.</li> <li><input type="checkbox"/> Duties and responsibilities of nurse in O.T.</li> <li><input type="checkbox"/> Principles of Health and operating room attire</li> <li><input type="checkbox"/> Instruments</li> <li><input type="checkbox"/> Sutures and suture materials</li> <li><input type="checkbox"/> Equipments</li> <li><input type="checkbox"/> O.T. tables and sets for common surgical procedures</li> <li><input type="checkbox"/> Positions and draping for common surgical procedures</li> <li><input type="checkbox"/> Scrubbing procedures</li> <li><input type="checkbox"/> Gowning and gloving</li> <li><input type="checkbox"/> Preparation of O.T. Sets</li> <li><input type="checkbox"/> Monitoring the patient during surgical procedures</li> </ul> </li> <li>● Maintenance of therapeutic environment in O.T.</li> <li>● Standard Safety measures <ul style="list-style-type: none"> <li><input type="checkbox"/> Infection control; fumigation, disinfections and sterilization</li> <li><input type="checkbox"/> Biomedical waste management</li> <li><input type="checkbox"/> Prevention of accidents and hazards in O.T.</li> </ul> </li> <li>● Anesthesia <ul style="list-style-type: none"> <li><input type="checkbox"/> Types</li> <li><input type="checkbox"/> Methods of administration</li> <li><input type="checkbox"/> Effects and stages</li> <li><input type="checkbox"/> Equipments</li> <li><input type="checkbox"/> Drugs</li> <li><input type="checkbox"/> Cardio Pulmonary Resuscitation (CPR)</li> <li><input type="checkbox"/> Pain management techniques</li> <li><input type="checkbox"/> Legal Aspects</li> </ul> </li> </ul>
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# Medical Surgical Nursing (Adult including Geriatrics) – I Practical

**Placements:** Second year

**Time :** Practical - 720 Hours

**Clinical Areas:** General Medical ward (\*Respiratory, GI, Endocrine, Renal, Hematology), General Surgical ward (GI, Urinary, CTVS), Cardiology ward, Skin & Communicable diseases ward, orthopaedic ward, Operation Theater.

Unit	Skill to be developed
I.	<ul style="list-style-type: none"> <li>● Assessment of the patient               <ul style="list-style-type: none"> <li><input type="checkbox"/> Taking history</li> <li><input type="checkbox"/> Perform general and specific physical examination</li> <li><input type="checkbox"/> Identify alterations and deviations</li> </ul> </li> <li>● Practice medical surgical asepsis-standard safety measures</li> <li>● Administer medications               <ul style="list-style-type: none"> <li><input type="checkbox"/> Oral, IV, IM, Subcutaneous</li> </ul> </li> <li>● IV therapy               <ul style="list-style-type: none"> <li><input type="checkbox"/> IV canulation</li> <li><input type="checkbox"/> Maintenance and monitoring</li> </ul> </li> <li>● Oxygen therapy by different methods</li> <li>● Nebulization</li> <li>● Chest physiotherapy</li> <li>● Naso gastric feeding</li> <li>● Assist in common diagnostic procedure</li> <li>● Perform/Asst in therapeutic procedures</li> <li>● Blood and component therapy</li> <li>● Throat suctioning</li> <li>● Collect specimens for common investigations</li> <li>● Maintain elimination               <ul style="list-style-type: none"> <li><input type="checkbox"/> Catheterisation</li> <li><input type="checkbox"/> Bowel wash</li> <li><input type="checkbox"/> Enema</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Urinary Drainage</li> <li>● Maintain Intake, output and documentation</li> <li>● Counsel and teach related to teach related to specific disease conditions</li> </ul>
II	<ul style="list-style-type: none"> <li>● Practice medical surgical asepsis Standard safety measures</li> <li>● Pre operative preparation of patients</li> <li>● Post operative care- Receiving patient, assessment, monitoring, care</li> <li>● Care of wounds and drainage,</li> <li>● Suture removal</li> <li>● Ambulation and exercise</li> <li>● Naso gastric aspiration</li> <li>● Care of chest drainage</li> <li>● Ostomy care <ul style="list-style-type: none"> <li><input type="checkbox"/> Gastrostomy</li> <li><input type="checkbox"/> Colostomy</li> <li><input type="checkbox"/> Enterostomy</li> </ul> </li> <li>● Blood and component therapy</li> <li>● Practice universal precautions</li> </ul>
III.	<ul style="list-style-type: none"> <li>● Physical examination of the cardio vascular system Recording and interpreting ECG</li> <li>● Monitoring of patients</li> <li>● Preparation and assisting in non-invasive and invasive diagnosis procedures.</li> <li>● Administer cardiac drugs</li> <li>● Cardio pulmonary Resuscitation</li> <li>● Teaching patients and families</li> <li>● Practice medical and surgical asepsis- Standard safety measures</li> </ul>
IV.	<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>● Counseling HIV positive patients</li> <li>● Teaching prevention of infectious diseases</li> </ul>

V.	<ul style="list-style-type: none"> <li>● Assessment of orthopedic patients</li> <li>● Assist in application of plaster cast and removal of cast</li> <li>● Apply skin traction buck's extension traction.</li> <li>● Assist in application and removal of prosthesis</li> <li>● Physiotherapy – Range of motion exercises (ROM), muscle strengthening exercises</li> <li>● Crutch maneuvering technique.</li> <li>● Activities of daily living</li> <li>● Ambulation</li> <li>● Teach and counsel patients and families</li> </ul>
VI	<ul style="list-style-type: none"> <li>● Scrubbing, gowning, gloving</li> <li>● Identify instruments, suturing materials for common operations</li> <li>● Disinfection, Carbonization, fumigation of OT</li> <li>● Preparation of instrument sets for common operations</li> <li>● Sterilization of sharp and other instruments</li> <li>● Prepare the OT table depending upon the operation</li> <li>● Positioning and monitoring of patients</li> <li>● Endotracheal intubation</li> <li>● Assisting in minor and major operations</li> <li>● Handling specimens</li> <li>● Disposal of waste as per the guideline</li> </ul>

## Internship

**Time: 430 hours (9 weeks)**

**Areas:** ICU, CCU, CARDIAC OT, Neuro ICU, ITU, OT, Burn and plastic Reconstructive surgery, OT Laproscopic ortho- paedie eye ENT

Duration (in week)	Objectives	Skills to be developed	Assignments	Assessment Methods
2	<ul style="list-style-type: none"> <li>● To gain proficiency in ICU nursing</li> <li>● Develop advance skill in special procedures used in critical care Unit</li> <li>● Identify potential problems and provide accordingly.</li> <li>● Skill in setting and handling ventilator</li> <li>● Administer injection</li> </ul>	<ul style="list-style-type: none"> <li>● Assist in arterial puncture for blood gas analysis.</li> <li>● Perform ECG and interpret accordingly.</li> <li>● Conduct and analysis of pulse oximetry.</li> <li>● Care with artificial airway.</li> <li>● Care with artificial intubation.</li> <li>● Setting up ventilator.</li> <li>● Giving care in ventilator.</li> <li>● Drug sheet</li> </ul>	<ul style="list-style-type: none"> <li>● Article puncture-5</li> <li>● Taking out ECG stripe -5</li> <li>● Tracheal suction -5</li> <li>● For all assigned patients.</li> <li>● Oxygen administration by CPAP mask and use Ambu bag.</li> <li>● Assessment for all assigned</li> </ul>	<ul style="list-style-type: none"> <li>● Record book.</li> <li>● Checking with supervisor</li> </ul>

	<ul style="list-style-type: none"> <li>● in infusion pump.</li> <li>● Record accurately findings and medications.</li> <li>● Develop IPR with family members.</li> <li>● Acquaint with OT technique.</li> </ul>	<ul style="list-style-type: none"> <li>● Observation of special procedure in OT.</li> </ul>		
2	<ul style="list-style-type: none"> <li>● Develop skill in neurological assessment.</li> <li>● Give care to the patient with head injury and spinal injury.</li> <li>● Care with chest surgery and cranial surgery.</li> </ul>	<ul style="list-style-type: none"> <li>● Assess neurological status</li> <li>● Implement care to head injury and spinal injury patients</li> <li>● Drug sheet</li> <li>● Pre and postoperative care with neuro surgery patients.</li> </ul>	<ul style="list-style-type: none"> <li>● Assessment for all assigned patients.</li> <li>● Nursing care plan-2</li> <li>● Drug sheet</li> </ul>	<ul style="list-style-type: none"> <li>● Record book</li> <li>● Observation checklist.</li> </ul>
2	<ul style="list-style-type: none"> <li>● Assess the severity of burns.</li> <li>● Administer rehydration therapy.</li> <li>● Observe reconstructive surgery</li> </ul>	<ul style="list-style-type: none"> <li>● Nursing care</li> </ul>		
3	<ul style="list-style-type: none"> <li>● Identify instruments</li> <li>● Assist in OT set Up</li> <li>● Supervise sterilization</li> <li>● Assist in OT table lay out.</li> <li>● Observe immediately after operation.</li> <li>● Supervise infection control.</li> </ul>	<ul style="list-style-type: none"> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>● Assist-5 cases</li> </ul>	<ul style="list-style-type: none"> <li>● Record book</li> </ul>





# Community Health Nursing – I Theory

Placements: Second year

Time : Theory - 90 Hours

Practical – 135 Hours

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

Unit	Content
I. 2 hrs.	<b>Introduction</b> <ul style="list-style-type: none"> <li>● Community health nursing</li> <li>● Definition, concept and dimensions of health</li> <li>● Definition, scope and importance of environment health</li> <li>● Need for public awareness.</li> <li>● Promotion of health</li> <li>● Maintenance of health</li> </ul>
II. 20 hrs	<b>Determinants of health</b> <ul style="list-style-type: none"> <li>● Eugenics</li> <li>● Ecosystem               <ul style="list-style-type: none"> <li><input type="checkbox"/> Concept of an ecosystem</li> <li><input type="checkbox"/> Structure and function of an ecosystem</li> <li><input type="checkbox"/> Producers, consumers and decomposers</li> <li><input type="checkbox"/> Energy flowing the ecosystem</li> <li><input type="checkbox"/> Ecological Succession</li> <li><input type="checkbox"/> Food chains, food webs and ecological pyramids</li> <li><input type="checkbox"/> Introduction, types, characteristics features, structure and function of the following ecosystem :-                   <ol style="list-style-type: none"> <li>a. Forest ecosystem</li> <li>b. Grassland ecosystem</li> <li>c. Desert ecosystem</li> <li>d. Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries)</li> </ol> </li> </ul> </li> <li>● Environment:               <ul style="list-style-type: none"> <li><input type="checkbox"/> Physical: Land, Air, light, ventilation, Water, Housing, Mineral resources,</li> </ul> </li> </ul>

Energy resources, Sanitation: disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: Infrastructure facilities and Linkages

- Acts regulating the environment: National Pollution Control Board
- Bacterial & viral: Agents, host carriers and immunity
- Arthropods and Rodents
- Environmental ethics: Issues & Possible solutions.
- Climate change: Global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust.
- Food hygiene: Production, preservation, purchases, preparation, consumption
- Acts regulating food hygiene prevention of food adulteration act, Drugs and cosmetic act
- Socio-cultural
  - Customs, taboos
  - Marriage system
  - Family structure
  - Status of special groups; females, children, Elderly, challenged groups and sick persons
- Life Style – Equitable use of resources for sustainable life style
- Hygiene
- Physical activity
  - Recreation and sleep
  - Sexual life
  - Spiritual life philosophy
  - Self reliance
  - Dietary pattern
  - Education
  - Occupation
- Financial Management
  - Income
  - Budget
  - Purchasing power
  - Security

<p>III 10 hrs</p>	<p><b>Epidemiology</b></p> <ul style="list-style-type: none"> <li>● Definition, concept, aims, scope, uses and terminology used in epidemiology</li> <li>● Dynamics of disease transmission: epidemiological triad</li> <li>● Morbidity and mortality: measurements</li> <li>● Levels of prevention</li> <li>● Methods of epidemiology of <ul style="list-style-type: none"> <li><input type="checkbox"/> Descriptive</li> <li><input type="checkbox"/> Analytical: Epidemic Investigation</li> <li><input type="checkbox"/> Experimental</li> </ul> </li> </ul>
<p>IV 25 hrs</p>	<p><b>Epidemiology and nursing management of Common Communicable</b></p> <ul style="list-style-type: none"> <li>● Respiratory infections <ul style="list-style-type: none"> <li><input type="checkbox"/> Small Pox</li> <li><input type="checkbox"/> Chicken Pox</li> <li><input type="checkbox"/> Measles</li> <li><input type="checkbox"/> Influenza</li> <li><input type="checkbox"/> Rubella</li> <li><input type="checkbox"/> ARI's &amp; Pneumonia</li> <li><input type="checkbox"/> Mumps</li> <li><input type="checkbox"/> Diphtheria</li> <li><input type="checkbox"/> Whooping cough</li> <li><input type="checkbox"/> Meningococcal meningitis</li> <li><input type="checkbox"/> Tuberculosis</li> <li><input type="checkbox"/> SARS</li> </ul> </li> <li>● Intestinal Infections <ul style="list-style-type: none"> <li><input type="checkbox"/> Poliomyelitis</li> <li><input type="checkbox"/> Viral Hepatitis</li> <li><input type="checkbox"/> Cholera</li> <li><input type="checkbox"/> Diarrhoeal diseases</li> <li><input type="checkbox"/> Typhoid fever</li> <li><input type="checkbox"/> Food poisoning</li> <li><input type="checkbox"/> Amoebiasis</li> <li><input type="checkbox"/> Hook worm infection</li> <li><input type="checkbox"/> Ascariasis</li> </ul> </li> </ul>

- Dracunculiasis
- Arthropod infections
  - Dengue
  - Malaria
  - Filariasis
- Zoonoses
- Viral
  - Rabies
  - Yellow fever
  - Japanese encephalitis
  - Kyansur forest disease
- Bacterial
  - Brucellosis
  - Plague
  - Human Salmonellosis
  - Anthrax
  - Leptospirosis
- Rickettsial diseases
  - Rickettsial zoonoses
  - Scrub typhus
  - Murine typhus
  - Tick typhus
  - Q fever
- Parasitic zoonoses
  - Taeniasis
  - Hydatid disease
  - Leishmaniasis
- Surface infection
  - Trachoma
  - Tetanus
  - Leprosy
  - STD & RTI
  - Yaws

	<input type="checkbox"/> HIV/AIDS Any Other
V. 10 hrs	<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> <li>● Anaemia</li> <li>● Hypertension</li> <li>● Stroke</li> <li>● Rheumatic, Heart Disease</li> <li>● Coronary Heart Disease</li> <li>● Cancer</li> <li>● Diabetes mellitus</li> <li>● Blindness</li> <li>● Accidents</li> <li>● Mental illness</li> <li>● Obesity</li> <li>● Iodine Deficiency</li> <li>● Fluorosis</li> <li>● Epilepsy</li> </ul>

<p>VI 6 hrs</p>	<p><b>Demography</b></p> <ul style="list-style-type: none"> <li>● Definition, concept and scope</li> <li>● Methods of collection, analysis and interpretation of demographic data</li> <li>● Demographic rates and ratios</li> </ul>
<p>VII 17 hrs</p>	<p><b>Population and its control</b></p> <ul style="list-style-type: none"> <li>● Population explosion and its impact on social, economic development of individual, society and country</li> <li>● Population control: <ul style="list-style-type: none"> <li><input type="checkbox"/> Overall development: Women empowerment, social, economic and educational development</li> </ul> </li> <li>● Limiting family size: <ul style="list-style-type: none"> <li><input type="checkbox"/> Promotion of small family norm</li> <li><input type="checkbox"/> Methods: spacing (natural, biological, chemical, mechanical methods etc)</li> <li><input type="checkbox"/> Terminal: surgical methods</li> <li><input type="checkbox"/> Emergency contraception</li> </ul> </li> </ul>



# Community Health Nursing – I Practical

Placements: Second year

Time : Practical - 135 Hours

Areas: Urban and Rural Community

Unit	Skill to be develop
<p><b>I.</b></p> <p>Urban 2 weeks</p> <p>Rural 2 weeks</p>	<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 specimen sputum, malaria 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 <ul style="list-style-type: none"> <li><input type="checkbox"/> Nutrition</li> <li><input type="checkbox"/> Hygiene</li> <li><input type="checkbox"/> Self health monitoring</li> <li><input type="checkbox"/> Seeking health services</li> <li><input type="checkbox"/> Healthy life style</li> <li><input type="checkbox"/> Family welfare methods</li> <li><input type="checkbox"/> Health promotion</li> </ul> </li> </ul>



# Communication & Educational Technology

Placements: Second year

Time: Theory - 90 Hours

**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 relations, teaching individuals and groups in clinical, community health and educational settings.

Unit	Content
I. 5 hrs	<b>Review of Communication process</b> <ul style="list-style-type: none"> <li>● Process; elements and channel</li> <li>● Facilitators</li> <li>● Barriers and methods of overcoming techniques</li> </ul>
II 5 hrs	<b>Interpersonal relations</b> <ul style="list-style-type: none"> <li>● Purpose &amp; Types</li> <li>● Phases</li> <li>● Barriers &amp; Methods of overcoming</li> <li>● Johari Window</li> </ul>
III 5 hrs	<b>Human relations</b> <ul style="list-style-type: none"> <li>● Understanding self</li> <li>● Social behaviour, motivation, social attitudes</li> <li>● Individual and groups</li> <li>● Groups &amp; individual</li> <li>● Human relations in context of Nursing</li> <li>● Group dynamics</li> <li>● Team work</li> </ul>



<p>IV 10 hrs (T) 5 hrs (P)</p>	<p><b>Guidance &amp; counselling</b></p> <ul style="list-style-type: none"> <li>● Definition</li> <li>● Purpose, scope and need</li> <li>● Basic principles</li> <li>● Organization of counseling services</li> <li>● Types of counselling approaches</li> <li>● Role and preparation of counselor</li> <li>● Issues for counseling in nursing: students and practitioners</li> <li>● Counselling process- steps &amp; techniques, tools of counselor</li> <li>● Managing disciplinary problems</li> <li>● Management of crisis &amp; referral</li> </ul>
<p>V 5 hrs</p>	<p><b>Principle 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 and characteristics of learning,</li> <li>● Principles and maxims of teaching,</li> <li>● Formulating objectives; general and specific</li> <li>● Lesson planning</li> <li>● Classroom Management</li> </ul>
<p>VI 10 hrs (T) 10 hrs (P)</p>	<p><b>Methods of teaching</b></p> <ul style="list-style-type: none"> <li>● Lecture, demonstration, group discussion, seminar, symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching, problem based learning, self instructional module and simulation etc.</li> <li>● Clinical teaching methods: case method, nursing round &amp; reports, bedside clinical presentation, conference (individual &amp; group) process recording.</li> </ul>
<p>VII 10 hrs (T) 8 hrs (P)</p>	<p><b>Educational Media</b></p> <ul style="list-style-type: none"> <li>● Purposes &amp; types of A.V. Aids, principles and sources etc.</li> <li>● Graphic aids: chalk board, chart, graph, poster, flash cards, flannel graph, bulletin, cartoon</li> <li>● Three dimensional aids: objects, specimens, models, puppets</li> <li>● Printed aids: pamphlets &amp; leaflets</li> <li>● Projected aids: slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD</li> </ul>

	<ul style="list-style-type: none"> <li>● Audio aids: tape recorder, public address system</li> <li>● Computer</li> </ul>
<p>VIII</p> <p>5 hrs (T)</p> <p>7 hrs (P)</p>	<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 techniques and methods</li> <li>● Assessment of knowledge: essay type questions, short answer questions (SAQ), Multiple choice questions (MCQ)</li> <li>● Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE)</li> <li>● Assessment of Attitudes: Attitude scales</li> </ul>
<p>IX</p> <p>5 hrs</p>	<p><b>Information, Education &amp; Communication for health (IEC)</b></p> <ul style="list-style-type: none"> <li>● Health behaviour &amp; health education</li> <li>● Planning for health education</li> <li>● Health education with individuals, groups &amp; communities</li> <li>● Communicating health messages</li> <li>● Methods &amp; media for communicating health messages</li> <li>● Using mass media</li> </ul>



# Medical Surgical Nursing (Adult including Geriatrics) – II

Placements : Third year

Time : Theory - 120 hrs.

Practical - 270 hrs.

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

Unit	Content
I  15 hrs.	<p><b>Nursing management of patient with disorders of Ear Nose and Throat.</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the Ear Nose and Throat</li> <li>• Nursing Assessment – History and Physical assessment</li> <li>• Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of Ear Nose and Throat disorders: <ul style="list-style-type: none"> <li><input type="checkbox"/> External ear : deformities otalgia, foreign bodies, and tumours</li> <li><input type="checkbox"/> Middle Ear-Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours</li> <li><input type="checkbox"/> Inner ear-Meniere’s Disease, labyrinthitis, ototoxicity, tumours</li> <li><input type="checkbox"/> Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsilitis and adenoiditis, peritonsillar abscess, laryngitis.</li> </ul> </li> <li>• Upper respiratory airway - epistaxis,</li> <li>• Nasal obstruction, laryngeal obstruction, cancer of the larynx</li> <li>• Cancer of the oral cavity.</li> <li>• Speech defects and speech therapy</li> <li>• Deafness –</li> <li>• Prevention, Control and rehabilitation</li> <li>• Hearing Aids, implanted hearing devices</li> </ul> <p>Special therapies Nursing procedures Drugs used in treatment of disorders of Ear Nose and throat Role of nurse Communicating with hearing impaired and muteness.</p>

<p>II</p> <p>15 hrs.</p>	<p><b>Nursing management of patient with disorders of eye</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the eye</li> <li>• Nursing Assessment –History and Physical assessment</li> <li>• Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of eye disorders: <ul style="list-style-type: none"> <li><input type="checkbox"/> Refractive errors</li> <li><input type="checkbox"/> Eyelids-infection, tumours and deformities</li> <li><input type="checkbox"/> Conjunctiva-inflammation and infection, bleeding</li> <li><input type="checkbox"/> Cornea-inflammation and infection</li> <li><input type="checkbox"/> Lens-Cataracts</li> <li><input type="checkbox"/> Glaucoma</li> <li><input type="checkbox"/> Disorder of the <b>uveal</b> tract,</li> <li><input type="checkbox"/> Ocular tumours</li> <li><input type="checkbox"/> Disorders of posterior chamber and retina: Retinal and vitreous problems.</li> <li><input type="checkbox"/> Retinal detachment</li> <li><input type="checkbox"/> Ocular emergencies and their prevention</li> </ul> </li> <li>• Blindness</li> <li>• National blindness control program <ul style="list-style-type: none"> <li><input type="checkbox"/> Eye Banking</li> <li><input type="checkbox"/> Eye prostheses and Rehabilitation</li> </ul> </li> </ul> <p>Role of a nurse-Communication with visually impaired patient, Eye camps</p> <p>Special therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of eye</p>
<p>III</p> <p>16 hrs.</p>	<p><b>Nursing management of patient with neurological disorders</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the neurological system</li> <li>• Nursing Assessment – History, Physical and neurological assessment and Glasgow coma scale</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of neurological disorders</li> <li>• Congenital malformations</li> <li>• Headache</li> <li>• <b>Spinal Injuries:</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Paraplegia</li> <li><input type="checkbox"/> Hemiplegia</li> <li><input type="checkbox"/> Quadraplegia</li> </ul> </li> <li>• Spinal cord compression-herniation of intervertebral disc</li> <li>• Tumors of the brain &amp; spinal cord</li> <li>• Intra cranial and cerebral aneurysms</li> <li>• Infections: <ul style="list-style-type: none"> <li><input type="checkbox"/> Meningitis, Encephalitis, Brain abscess, neurocysticercosis</li> </ul> </li> <li>• Movement disorders <ul style="list-style-type: none"> <li><input type="checkbox"/> Chorea</li> <li><input type="checkbox"/> Seizures</li> <li><input type="checkbox"/> Epilepsies</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Cerebro Vascular Accidents (CVA)</li> <li>• Cranial, Spinal Neuropathies- Bell's palsy, trigeminal neuralgia</li> <li>• Peripheral Neuropathies; Guillain-Barr'e Syndrome</li> <li>• Myasthenia gravis</li> <li>• Multiple sclerosis</li> <li>• Degenerative diseases <ul style="list-style-type: none"> <li><input type="checkbox"/> Delirium</li> <li><input type="checkbox"/> Dementia</li> <li><input type="checkbox"/> Alzheimer's disease</li> <li><input type="checkbox"/> Parkinson's disease</li> </ul> </li> <li>• Management of unconscious patients and patients with stroke</li> <li>• Role of the nurse in communicating with patient having neurological deficit</li> <li>• Rehabilitation of patients with neurological deficit</li> <li>• Role of nurse in long stay facility (institutions) and at home</li> <li>• Special therapies</li> <li>• Nursing procedures</li> <li>• Drugs used in treatment of neurological disorders</li> </ul>
IV  16 hrs.	<p><b>Nursing management of patients with disorders of female reproductive system</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the female reproductive system</li> <li>• Nursing Assessment – History and Physical assessment</li> <li>• Breast Self Examination</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of disorders of female reproductive system</li> <li>• Congenital abnormalities of female reproductive system</li> <li>• Sexuality and Reproductive Health</li> <li>• Sexual Health Assessment</li> <li>• Menstrual Disorder ; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome</li> <li>• Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia</li> <li>• Pelvic Inflammatory Disease-</li> <li>• Ovarian and fallopian tube disorders; infections, cysts, tumours</li> <li>• Uterine and cervical disorders; Endometriosis, polyps, fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele</li> <li>• Vaginal disorders; Infections and Discharges, Fistulas</li> <li>• Vulvur disorders; Infections, cysts, tumours</li> <li>• Diseases of breasts; Deformities, Infections, Cysts and Tumours</li> <li>• Menopause and Hormonal Replacement Therapy</li> <li>• Infertility</li> <li>• Contraception; Types, Methods, Risk and effectiveness <ul style="list-style-type: none"> <li><input type="checkbox"/> Spacing Methods <ul style="list-style-type: none"> <li>- Barrier methods, Intra Uterine Devices, Hormonal, Post conceptional Methods, etc.</li> </ul> </li> <li><input type="checkbox"/> Terminal methods <ul style="list-style-type: none"> <li>- Sterilization</li> </ul> </li> </ul> </li> <li>• Emergency Contraception methods</li> <li>• Abortion – Natural, medical and surgical abortion – MTP Act</li> </ul>

	<ul style="list-style-type: none"> <li>• Toxic Shock Syndrome</li> <li>• Injuries and Trauma; Sexual violence</li> </ul> <p>Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme</p>
V 10 hrs.	<p><b>Nursing management of patients with Burns, reconstructive and cosmetic surgery</b></p> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of the skin and connective tissues and various deformities</li> <li>• Nursing Assessment-History and physical assessment and assessment of burns and fluid and electrolyte loss</li> <li>• Etiology, classification, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of Burns and Re-constrictive and Cosmetic surgery;</li> <li>• Type of Re-constructive and cosmetic surgery of burns, congenital deformities, injuries and cosmetic purposes.</li> <li>• Role of nurse</li> <li>• Legal aspects</li> <li>• Rehabilitation</li> <li>• Special therapies <ul style="list-style-type: none"> <li><input type="checkbox"/> Psycho social aspects</li> </ul> </li> </ul> <p>Nursing procedures Drugs used in treatment of Burns reconstructive and cosmetic surgery</p>
VI 10 hrs.	<p><b>Nursing management of patients with oncological conditions</b></p> <ul style="list-style-type: none"> <li>• Structure &amp; characteristics of normal &amp; cancer cells</li> <li>• Nursing Assessment-History and Physical assessment</li> <li>• Prevention, screening, Early detection, Warning signs of cancer</li> <li>• Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of oncological conditions</li> <li>• Common malignancies of various body system; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc</li> <li>• Oncological emergencies</li> <li>• Modalities of treatment <ul style="list-style-type: none"> <li><input type="checkbox"/> Immunotherapy</li> <li><input type="checkbox"/> Chemotherapy</li> <li><input type="checkbox"/> Radiotherapy</li> <li><input type="checkbox"/> Surgical Interventions</li> <li><input type="checkbox"/> Stem cell and bone marrow transplants</li> <li><input type="checkbox"/> Gene therapy</li> <li><input type="checkbox"/> Other forms of treatment</li> </ul> </li> <li>• Psychosocial aspects of cancer</li> <li>• Rehabilitation</li> <li>• Palliative care; symptom and pain management, nutritional support</li> <li>• Home care</li> <li>• Hospice care</li> <li>• Stomal therapy</li> </ul>

	<ul style="list-style-type: none"> <li>● Special therapy</li> <li>● Special therapies – Psycho – Social aspects</li> <li>● Nursing procedures</li> </ul>
<p>VII</p> <p>10 hrs.</p>	<p><b>Nursing management of patient in EMERGENCY &amp; Disaster situations</b></p> <p><b>Disaster Nursing:</b></p> <ul style="list-style-type: none"> <li>● Concepts and principles of Disaster Nursing</li> <li>● Causes and Types of Disaster: Natural and Man-made <ul style="list-style-type: none"> <li>□ Earthquakes, Floods, Epidemics, Cyclones</li> <li>□ Fire, Explosion, Accidents</li> <li>□ Violence, Terrosim; bio-chemical, War</li> </ul> </li> <li>● Policies related to emergency/disaster management'; International, national, state, institutional</li> <li>● Disaster preparedness:</li> <li>● Team, Guidelines, protocols, Equipments, Resources</li> <li>● Coordination and involment of; community, various govt. departments, non-govt. departments, non-govt. organizations and International agencies</li> <li>● Role of nurse: working</li> <li>● Legal Aspects of Disaster Nursing</li> <li>● Impact on Health and after effect; Post Traumatic Stress Disorder</li> <li>● Rehabilitation; physical, psychosocial, Financial, Relocation Emergency Nursing</li> </ul> <p><b>Emergency Nursing</b></p> <ul style="list-style-type: none"> <li>● Concept, priorities, principles and Scope of emergency nursing</li> <li>● Organization of emergency service: physical setup, staffing equipment and supplies, protocols, Concepts of triage and role of triage nurse.</li> <li>● Coordination and involvement of different departments and facilities</li> <li>● Nursing Assessment – History and Physical assessment</li> <li>● Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical &amp; surgical nursing management of patient with medical and surgical Emergency</li> <li>● Principles of emergency management</li> <li>● Common emergencies;</li> <li>● Respiratory Emergencies</li> <li>● Cardiac Emergencies</li> <li>● Shock and Haemorrhage</li> <li>● Pain</li> <li>● Poly-Trauma, road accidents, crush injuries, wound</li> <li>● Bites</li> <li>● Poisoning; Food, Gas, Drugs &amp; chemical poisoning</li> <li>● Seizures</li> <li>● Thermal Emergencies; Heat stroked &amp; Cold injuries</li> <li>● Pediatric Emergencies</li> <li>● Psychiatric Emergencies</li> <li>● Obstetrical Emergencies</li> <li>● Violence, Abuse, Sexual Assault</li> <li>● Cardio Pulmonary Resuscitation</li> <li>● Crisis Intervention</li> </ul>

	<ul style="list-style-type: none"> <li>• Role of the nurse; communication and Inter personal Relations</li> <li>• Medico-Legal Aspects;</li> </ul>
VIII 10 hrs.	<p><b>Nursing care of the elderly</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment – History and Physical assessment</li> <li>• Ageing;</li> <li>• Demography; Myths and realities</li> <li>• Concepts and theories of ageing</li> <li>• Cognitive Aspects of Ageing</li> <li>• Normal biological ageing</li> <li>• Age related body systems changes</li> <li>• Psychosocial Aspects of aging</li> <li>• Medications and elderly</li> <li>• Stress &amp; coping in older adults</li> <li>• Common Health Problems &amp; Nursing management;</li> <li>• Cardiovascular, Respiratory, Musculoskeletal,</li> <li>• Endocrine, genito-urinary, gastrointestinal</li> <li>• Neurological, skin and other Sensory organs <ul style="list-style-type: none"> <li><input type="checkbox"/> Psychosocial and Sexual</li> <li><input type="checkbox"/> Abuse of elderly</li> </ul> </li> <li>• Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual</li> <li>• Role of nurse for caregivers of elderly</li> <li>• Role of family and formal and non formal caregivers</li> <li>• Use of aids and prosthesis (hearing aids, dentures),</li> <li>• Legal &amp; Ethical Issues</li> <li>• Provisions and Programmes for elderly; privileges, community programmes and health services;</li> <li>• Home and institutional care</li> </ul>
IX 10 hrs.	<p><b>Nursing management of patient in critical care units</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment – History and Physical assessment</li> <li>• Classification</li> <li>• Principles of critical care nursing</li> <li>• Organization; physical setup, policies, staffing norms,</li> <li>• Protocols, equipment; and supplier</li> <li>• Special equipments; ventilation, cardiac monitors, defibrillators.</li> <li>• Resuscitation equipments</li> <li>• Infection Control Protocols</li> <li>• Nursing management of critically ill patient;</li> <li>• Monitoring of critically ill patient</li> <li>• CPR-Advance cardiac life support</li> <li>• Treatments and procedures</li> <li>• Transitional care</li> <li>• Ethical and Legal Aspects</li> <li>• Communication with patient and family</li> <li>• Intensive care records</li> <li>• Crisis Intervention</li> </ul>



	<ul style="list-style-type: none"> <li>• Death and Dying – coping with</li> <li>• Drugs used in critical care unit</li> </ul>
X  8 hrs.	<p><b>Nursing management of patients adults including elderly with Occupational and Industrial disorders</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment-History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of occupational and industrial health disorders</li> <li>• Role of nurse</li> </ul> <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of occupational and industrial disorders</p>





# Medical Surgical Nursing (Adult and Geriatrics) – II Practical

**Placements:** Third year

Time : Theory-120 hrs.

Practical-270 hrs.

Internship – 430 hrs

**Clinical Area:** ENT, Ophthalmology, Neurology, Gynacecology, Burn unit, oncology, Critical care unit, causality/ emergency unit, ICCU.

Unit	Skill to be developed
I.	<ul style="list-style-type: none"> <li>● Perform examination of ear, nose and throat</li> <li>● Assist with diagnostic procedures</li> <li>● Assist with therapeutic procedures</li> <li>● Instillation of drops</li> <li>● Perform/assist with irrigations.</li> <li>● Apply ear bandage</li> <li>● Perform tracheostomy care</li> <li>● Teach patients and families</li> </ul>
II	<ul style="list-style-type: none"> <li>● Perform examination of eye</li> <li>● Assist with diagnostic procedures</li> <li>● Assist with therapeutic procedures</li> <li>● Perform/assist with irrigations</li> <li>● Apply eye bandage</li> <li>● Apply eye drops/ointments</li> <li>● Assist with foreign body removal</li> <li>● Teach patients and families</li> </ul>
III	<ul style="list-style-type: none"> <li>● Perform Neurological Examination</li> <li>● Use Glasgow Coma scale</li> <li>● Assist with diagnostic procedures</li> <li>● Assist with therapeutic procedure</li> <li>● Teach patients &amp; families</li> <li>● Participate in rehabilitation program</li> </ul>

IV	<ul style="list-style-type: none"> <li>● Assist with gynecological Examination</li> <li>● Assist with diagnostic procedures</li> <li>● Assist with therapeutic procedures</li> <li>● Teach patients families</li> <li>● Teaching self breast examination</li> <li>● Assist with PAP smear collection</li> </ul>
V	<ul style="list-style-type: none"> <li>● Assessment of the burn patient <ul style="list-style-type: none"> <li><input type="checkbox"/> Percentage of burns</li> <li><input type="checkbox"/> Degree of burns</li> </ul> </li> <li>● Fluid &amp; electrolyte replacement therapy <ul style="list-style-type: none"> <li><input type="checkbox"/> Assess</li> <li><input type="checkbox"/> Calculate</li> <li><input type="checkbox"/> Replace</li> <li><input type="checkbox"/> Record intake/output</li> </ul> </li> <li>● Care of Burn wounds <ul style="list-style-type: none"> <li><input type="checkbox"/> Bathing</li> <li><input type="checkbox"/> Dressing</li> </ul> </li> <li>● Perform active &amp; passive exercise</li> <li>● Practice medical &amp; surgical asepsis</li> <li>● Counsel &amp; teach patients and families</li> <li>● Participate in rehabilitation program</li> </ul>
VI	<ul style="list-style-type: none"> <li>● Screen for common cancers – TNM classification</li> <li>● Assist with diagnostic procedures <ul style="list-style-type: none"> <li><input type="checkbox"/> Biopsies</li> <li><input type="checkbox"/> Pap smear</li> <li><input type="checkbox"/> Bone – marrow aspiration</li> </ul> </li> <li>● Breast examination</li> <li>● Assist with therapeutic procedures</li> <li>● Participates in various modalities of treatment <ul style="list-style-type: none"> <li><input type="checkbox"/> Bone – marrow aspiration</li> </ul> </li> <li>● Breast examination</li> <li>● Assist with therapeutic procedures</li> <li>● Participates in various modalities of treatment</li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Chemotherapy</li> <li><input type="checkbox"/> Radiotherapy</li> <li><input type="checkbox"/> Pain management</li> <li><input type="checkbox"/> Stoma therapy</li> <li><input type="checkbox"/> Hormonal therapy</li> <li><input type="checkbox"/> Immuno therapy</li> <li><input type="checkbox"/> Gene therapy</li> <li><input type="checkbox"/> Alternative therapy</li> <li>● Participate in palliative care</li> <li>● Counsel and teach patients families <ul style="list-style-type: none"> <li><input type="checkbox"/> Self Breast Examination</li> <li><input type="checkbox"/> Warning sings</li> </ul> </li> <li>● Participate in rehabilitation program</li> </ul>
VII	<ul style="list-style-type: none"> <li>● Monitoring of patients in ICU</li> <li>● Maintain flow sheet</li> <li>● Care of patients on ventilators</li> <li>● Perform Endotracheal suction</li> <li>● Demonstrates use of ventilators, cardiac monitors etc.</li> <li>● Collect specimens and interprets ABG analysis</li> <li>● Assist with arterial puncture</li> <li>● Maintain CVP line</li> <li>● Pulse oximetry</li> <li>● COR-ALS</li> <li>● Defibrillators</li> <li>● Pace makers</li> <li>● Bag-mask ventilation</li> <li>● Emergency tray/trolley-crash cart</li> <li>● Administration of drugs <ul style="list-style-type: none"> <li><input type="checkbox"/> Infusion pump</li> <li><input type="checkbox"/> Epidural</li> <li><input type="checkbox"/> Intrathecal</li> <li><input type="checkbox"/> Intracardiac</li> </ul> </li> <li>● Total parenteral therapy</li> </ul>

	<ul style="list-style-type: none"> <li>● Chest physiotherapy</li> <li>● Perform active &amp; passive exercises</li> <li>● Counsel the patient and family in dealing with grieving and bereavement</li> </ul>
VIII	<ul style="list-style-type: none"> <li>● Practice “triage”</li> <li>● Assist with assessment examination, investigations &amp; their interpretations, in emergency and disaster situations</li> <li>● Assist in documentations</li> <li>● Assist in legal procedures in emergency unit</li> <li>● Participate in managing crowd</li> <li>● Counsel patient and families in grief and bereavement</li> </ul>

## Internship

**Time: 430 hours (9 weeks)**

Area	Duration (in week)	Objectives	Skills to be developed	Assignments
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies  Assist with common operations	Integrated assess	Assessment clinical performance with rating sale
Surgical Ward	2			
Critical care unit/ICCU	1			
Casualty/Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			



# Child Health Nursing

**Placements:** Third year

Time : Theory-90 hrs.  
Practical-270 hrs.  
Internship – 145 hrs

**Course Description:** This course is designed for developing an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

Unit	Content
I  15 hrs.	<p><b>Introduction</b></p> <p><b>Modern concepts of childcare</b></p> <ul style="list-style-type: none"> <li>• Internationally accepted rights of the child</li> <li>• National policy and legislations in relation to child health and welfare</li> <li>• National programmes related to child health and welfare</li> <li>• Agencies related to welfare services to the children</li> <li>• Changing trends in hospital care, preventive, promotive and curative aspects of child health</li> <li>• Child morbidity and mortality rates.</li> <li>• Differences between an adult and child</li> <li>• Hospital environment for a sick child</li> <li>• Impact of hospitalisation on the child and family.</li> <li>• Grief and bereavement</li> <li>• The role of a child health nurse in caring for a hospitalized child</li> <li>• Principles of pre and post operative care of infants and children</li> <li>• Child health nursing procedures</li> </ul>
II  20 hrs.	<p><b>The healthy child</b></p> <ul style="list-style-type: none"> <li>• Principles of growth and development</li> <li>• Factors affecting growth &amp; development</li> <li>• Growth and development from birth to adolescence</li> <li>• The needs of normal children through the stages of developmental and parental guidance</li> <li>• Nutritional needs of children &amp; infants: breast feeding exclusive breast feeding supplementary/artificial feeding and weaning.</li> </ul>

	<ul style="list-style-type: none"> <li>• Baby friendly hospital concept</li> <li>• Accidents causes and prevention</li> <li>• Value of play and selection of play material</li> <li>• Preventive immunization, immunization programme and cold chain</li> <li>• Preventive paediatrics</li> <li>• Care of under five &amp; under five clinics/well baby clinics</li> </ul>
III 15 hrs.	<p><b>Nursing care of a neonate</b></p> <ul style="list-style-type: none"> <li>• Nursing care of a normal newborn/Essential newborn care</li> <li>• Neonatal resuscitation</li> <li>• Nursing management of a low birth weight baby.</li> <li>• Kangaroo mother care</li> <li>• Nursing management of common neonatal disorders</li> <li>• Organization of neonatal unit</li> <li>• Identification &amp; nursing management of common congenital malformations.</li> </ul>
IV 10hrs.	<p><b>Integrated management of neonatal and childhood illnesses (IMNCI)</b></p>
V 20 hrs.	<p><b>Nursing management in common childhood diseases</b></p> <ul style="list-style-type: none"> <li>• Nutritional deficiency disorders</li> <li>• Respiratory disorders and infections</li> <li>• Gastrointestinal infections, infestations and congenital disorders</li> <li>• Cardio vascular problem : congenital defects and rheumatic fever, rheumatic heart disease</li> <li>• Genito-urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms’ tumor, infection and congenital disorders.</li> <li>• Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida.</li> <li>• Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia</li> <li>• Endocrine disorders : Juvenile Diabetes Mellitus</li> <li>• Orthopedic disorders: club feet, hip dislocation and fracture.</li> <li>• Disorders of skin, eye, and ears</li> <li>• Common communicable diseases in children, their identification, nursing management in hospital and home and prevention.</li> </ul>

	<ul style="list-style-type: none"> <li>• Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning.</li> <li>• Nursing care of infant and children with HIV/AIDS.</li> </ul>
VI 10 hrs.	<p><b>Management of behavioural &amp; social problems in children</b></p> <ul style="list-style-type: none"> <li>• Management of common behavioural disorders</li> <li>• Management of common psychiatric problems</li> <li>• Management of challenged children: Mentally, Physically, &amp; Socially challenged</li> <li>• Welfare services for challenged children in India.</li> <li>• Child guidance clinics</li> </ul>







# Child Health Nursing Practical

**Placements:** Third year

Time : Practical -270 hrs.

(9 Weeks)

Internship – 145 hrs

(3 Weeks)

**Clinical Areas :** Paediatric Medicine ward, Paediatric surgery ward, Paediatric OPD/Imunization room, Paediatric medicine and surgery ICU, Nursery.

Unit	Skill to be developed
I	<ul style="list-style-type: none"> <li>● Taking Paediatric History</li> <li>● Physical examination and assessment of children</li> <li>● Administer of oral, I/M &amp; IV medicine/fluids</li> <li>● Calculation of fluid requirements</li> <li>● Prepare different strengths of I.V. fluids</li> <li>● Apply restraints</li> <li>● Administer O<sub>2</sub> inhalation by different methods</li> <li>● Give baby bath feed children by katori spoon, etc</li> <li>● Collect specimens for common investigations</li> <li>● Assist with common diagnostic procedures</li> <li>● Teach mothers/parents               <ul style="list-style-type: none"> <li><input type="checkbox"/> Malnutrition</li> <li><input type="checkbox"/> Oral rehydration therapy</li> <li><input type="checkbox"/> Feeding &amp; Weaning</li> <li><input type="checkbox"/> Immunization schedule</li> <li><input type="checkbox"/> Play therapy</li> <li><input type="checkbox"/> Specific Disease conditions</li> </ul> </li> <li>● Calculate, prepare and administer I/V fluids</li> <li>● Do bowel wash</li> <li>● Care for ostomies               <ul style="list-style-type: none"> <li><input type="checkbox"/> Colostomy Irrigation</li> <li><input type="checkbox"/> Ureterostomy</li> <li><input type="checkbox"/> Gastrostomy</li> <li><input type="checkbox"/> Enterostomy</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>● Urinary catheterization and drainage</li> <li>● Feeding <ul style="list-style-type: none"> <li><input type="checkbox"/> Naso-gastric</li> <li><input type="checkbox"/> Gastrostomy</li> <li><input type="checkbox"/> Jejunostomy</li> </ul> </li> <li>● Care of surgical wounds <ul style="list-style-type: none"> <li><input type="checkbox"/> Dressing</li> <li><input type="checkbox"/> Suture removal</li> </ul> </li> </ul>
II	<ul style="list-style-type: none"> <li>● Assessment of children <ul style="list-style-type: none"> <li><input type="checkbox"/> Health assessment</li> <li><input type="checkbox"/> Developmental assessment</li> <li><input type="checkbox"/> Immunization</li> <li><input type="checkbox"/> Health/ Nutritional Education</li> </ul> </li> </ul>
III	<ul style="list-style-type: none"> <li>● Care of a baby in incubator/warmer</li> <li>● Care of a child on ventilator</li> <li>● Endotracheal suction</li> <li>● Chest physiotherapy</li> <li>● Administer fluids with infusion pump</li> <li>● Total parenteral nutrition</li> <li>● Photo therapy</li> <li>● Monitoring of babies</li> <li>● Cardio Pulmonary resuscitation</li> </ul>

## Internship

**Time : 145 hrs (3 weeks)**

Area	Duration (in weeks)	Objective	Skill to be develop	Assessment
Paediatric medicine ward/ICU	1	<ul style="list-style-type: none"> <li>● Provide comprehensive care to children with medical conditions</li> </ul>	<ul style="list-style-type: none"> <li>● Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>● Assess clinical performance with rating sale</li> </ul>
Paediatric surgery ward/ICU	1	<ul style="list-style-type: none"> <li>● Provide comprehensive care to children with surgical conditions</li> </ul>	<ul style="list-style-type: none"> <li>● Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>● Assess clinical performance with rating scale</li> </ul>
NICU	1	<ul style="list-style-type: none"> <li>● Provide intensive care to neonates</li> </ul>	<ul style="list-style-type: none"> <li>● Integrated Practice</li> </ul>	<ul style="list-style-type: none"> <li>● Assess clinical performance with rating scale</li> </ul>



# Mental Health Nursing

**Placements :** Third year

Time : Theory - 90 hrs.

Practical - 270 hrs.

Internship – 95 hrs (2 weeks)

**Course Description :** This course is designed for developing an understanding of the modern approach to mental health care, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

Unit	Content
<p>I</p> <p>5 hrs.</p>	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>• Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices.</li> <li>• Prevalence and incidence of mental health problems and disorders</li> <li>• Mental Health Act</li> <li>• National Mental health policy vis a vis a National Health Policy</li> <li>• National Mental Health programme</li> <li>• Mental health team</li> <li>• Nature and scope of mental health nursing</li> <li>• Role and functions of mental health nurse in various setting and factors affecting the level of nursing practice</li> <li>• Concepts of normal and abnormal behaviour</li> </ul>
<p>II.</p> <p>5 hrs.</p>	<p><b>Principles and concepts of Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>• Definition : mental health nursing and terminology used</li> <li>• Classification of mental disorders : ICD</li> <li>• Review of personality development, defense mechanisms</li> <li>• Maladaptive behaviour of individuals and groups; stress, crisis and disaster(s)</li> <li>• Etiology; bio-psycho-social factors</li> <li>• Psychopathology of mental disorders; review of structure and function of brain, limbic system and abnormal neuro transmission</li> <li>• Principles of Mental health nursing</li> <li>• Standards of mental health nursing practice</li> <li>• Conceptual models and the role of nurse:</li> </ul>

	<input type="checkbox"/> Existential Model <input type="checkbox"/> Psycho-analytical models <input type="checkbox"/> Behavioural model <input type="checkbox"/> Interpersonal Model
III 8 hrs.	<b>Assessment of mental health status</b> <ul style="list-style-type: none"> <li>• History taking</li> <li>• Mental status examination</li> <li>• Mini mental status examination</li> <li>• Neurological examination: Review</li> <li>• Investigations: Related Blood chemistry, EEG, CT &amp; MRI</li> <li>• Psychological tests</li> </ul> <p>Role and responsibilities of nurse</p>
IV 6 hrs.	<b>Therapeutic communication and nurse-patient relationship</b> <ul style="list-style-type: none"> <li>• Therapeutic communication : Types, techniques, characteristics</li> <li>• Types of relationship,</li> <li>• Ethics and responsibilities</li> <li>• Elements of nurse patient contract</li> <li>• Review of technique of IPR - Johari window</li> <li>• Goals, phases, tasks, therapeutic techniques</li> <li>• Therapeutic impasse and its intervention</li> </ul>
V 14 hrs.	<b>Treatment modalities and therapies used in mental disorders</b> <ul style="list-style-type: none"> <li>• Psycho Pharmacology</li> <li>• Psychological therapies: Therapeutic community, psycho therapy-Individual: psycho-analytical, cognitive and supportive, Family, Group Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies; Yoga, Meditation, bio feedback</li> <li>• Alternative systems of medicine</li> <li>• Occupational therapy</li> <li>• Physical Therapy: electro convulsive therapy</li> <li>• Geriatric considerations</li> </ul> <p>Role of nurse in above therapies</p>

<p>VI 5 hrs.</p>	<p><b>Nursing management of patient with Schizophrenia, and other psychotic disorders</b></p> <ul style="list-style-type: none"> <li>• Classification: ICD</li> <li>• Etiology, psycho-pathology, types, clinical manifestations, diagnosis</li> <li>• Nursing Assessment – History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patient with Schizophrenia and other psychotic disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>
<p>VII 5 hrs.</p>	<p><b>Nursing management of patient with mood disorders</b></p> <ul style="list-style-type: none"> <li>• Mood disorder: Bipolar affective disorders, Mania depression and dysthymia etc.</li> <li>• Etiology psycho-pathology, clinical manifestations, diagnosis.</li> <li>• Nursing Assessment- History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with mood disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>
<p>VIII 8 hrs.</p>	<p><b>Nursing management of patient with neurotic, stress related and somatization disorders</b></p> <ul style="list-style-type: none"> <li>• Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, compulsive disorder, Somatoform disorders Post traumatic stress disorder</li> <li>• Etiology, psycho-pathology, clinical manifestations, diagnosis</li> <li>• Nursing Assessment – History, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders</li> <li>• Geriatric considerations</li> <li>• Follow – up and home care and rehabilitation</li> </ul>

<b>IX</b> 5 hrs.	<b>Nursing Management of patient with Substance use disorders</b> <ul style="list-style-type: none"> <li>• Commonly used psychotropic substance: Classification, form, routes, action, intoxication and withdrawal</li> <li>• Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis,</li> <li>• Nursing assessment –History, Physical, mental assessment and drug assay</li> <li>• Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorder</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>
<b>X</b> 4 hrs.	<b>Nursing management of patient with personality, Sexual and Eating disorders</b> <ul style="list-style-type: none"> <li>• Classification of disorders</li> <li>• Etiology, psycho-pathology, characteristics, diagnosis,</li> <li>• Nursing Assessment-history, Physical and mental assessment</li> <li>• Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and rehabilitation</li> </ul>
<b>XI</b> 6 hrs.	<b>Nursing management of childhood and adolescent disorders including mental deficiency</b> <ul style="list-style-type: none"> <li>• Classification</li> <li>• Etiology, psycho-pathology, characteristics, diagnosis, Nursing Assessment-History, Physical, mental and IQ assessment</li> <li>• Treatment modalities and nursing management of childhood disorders including mental deficiency</li> <li>• Follow-up and home care and rehabilitation</li> </ul>
<b>XII</b> 5 hrs.	<b>Nursing management of organic brain disorders</b> <ul style="list-style-type: none"> <li>• Classification: ICD?</li> <li>• Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers)</li> <li>• Nursing assessment – History, Physical, mental and neurological assessment</li> <li>• Treatment modalities and nursing management of organic brain disorders</li> <li>• Geriatric considerations</li> </ul>

	<ul style="list-style-type: none"> <li>• Follow-up and home care and rehabilitation</li> </ul>
<b>XIII</b> 6 hrs.	<p><b>Psychiatric emergencies and crisis intervention</b></p> <ul style="list-style-type: none"> <li>• Types of psychiatric emergencies and their management</li> <li>• Stress adaptation Model: stress and stressor, coping, resources and mechanism</li> <li>• Grief: Theories of grieving process, principles, techniques of counseling</li> <li>• Types of crisis</li> <li>• Crisis Intervention: Principles, Techniques and process</li> <li>• Geriatric considerations</li> </ul> <p>Role and responsibilities of nurse</p>
<b>XIV</b> 4 hrs.	<p><b>Legal issues in Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>• The Mental Health Act 1987: Act, Sections, Articles and their implications etc.</li> <li>• Indian Lunacy Act. 1912</li> <li>• Rights of mentally ill clients</li> <li>• Forensic psychiatry</li> <li>• Acts related to narcotic and psychotropic substances and illegal drug trafficking</li> <li>• Admission and discharge procedures</li> </ul> <p>Role and responsibilities of nurse</p>
<b>XV</b> 4 hrs.	<p><b>Community Mental Health Nursing</b></p> <ul style="list-style-type: none"> <li>• Development of Community Mental Health Services</li> <li>• National Mental Health Programme</li> <li>• Institutionalization Versus Deinstitutionalization</li> <li>• Model of preventive psychiatry: levels of prevention</li> <li>• Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse</li> <li>• Mental Health Agencies: Government and voluntary, national and International</li> <li>• Mental Health nursing issues for special populations: Children, adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV/AIDS etc.</li> </ul>



# Mental Health Nursing - Practical

**Placements :** Third year

Time : Practical – 270 hrs (9 weeks)

Fourth year

Internship – 95 hrs (2 weeks)

**Clinical Areas :** Psychiatric OPD, Child Guidance clinic, Inpatient ward, Community psychiatry.

Unit	Skill to be develop
I	<ul style="list-style-type: none"> <li>● History taking</li> <li>● Perform mental status examination (MSE)</li> <li>● Assist in Psychometric assessment</li> <li>● Perform Neurological examination</li> <li>● Observe and assist in therapies</li> <li>● Teach patients and family members</li> </ul>
II	<ul style="list-style-type: none"> <li>● History taking</li> <li>● Assist in psychometric assessment</li> <li>● Observe and assist in various therapies</li> <li>● Teach family and significant others</li> </ul>
III	<ul style="list-style-type: none"> <li>● History taking</li> <li>● Perform mental status examination (MES)</li> <li>● Perform Neurological examination</li> <li>● Assist in psychometric assessment</li> <li>● Record therapeutic communication</li> <li>● Administer medications</li> <li>● Assist in Electro Convulsive Therapy (ECT)</li> <li>● Participate in all therapies</li> <li>● Prepare patients for Activities of Daily living (ADL)</li> <li>● Conduct admission and discharge counseling</li> <li>● Counsel and teach patients and families</li> </ul>
IV	<ul style="list-style-type: none"> <li>● Conduct case work</li> <li>● Identify individuals with mental health problems</li> <li>● Assists in mental health camps and clinics</li> <li>● Counsel and Teach family members, patients and community</li> </ul>

## Internship

**Time: 95 hrs (2 Weeks)**

Clinical Areas	Duration	Objective	Skill to be developed	Assessment
Psychiatry ward	2 Weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice	Assess clinical performance with rating scale





# Nursing Research and Statistics

**Placements :** Third year

Time : Theory - 45 hrs.

Practical - 45 hrs.

**Course Description :** This course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need based research studies in various setting and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

Unit	Content
<b>I</b> 4 hrs.	<b>Research and research process</b> <ul style="list-style-type: none"> <li>• Introduction and need for nursing research</li> <li>• Definition of Research &amp; nursing research</li> <li>• Steps of scientific method</li> <li>• Characteristics of good research</li> <li>• Steps of Research process-overview</li> </ul>
<b>II</b> 3 hrs.	<b>Research Problems/Question</b> <ul style="list-style-type: none"> <li>• Identification of problem area</li> <li>• Problem statement</li> <li>• Criteria of a good research problem.</li> <li>• Writing objective</li> </ul>
<b>III</b> 3 hrs.	<b>Review of Literature</b> <ul style="list-style-type: none"> <li>• Location</li> <li>• Sources</li> <li>• On line search; CINHALL, COCHRANE etc.</li> <li>• Purposes</li> <li>• Method of review</li> </ul>
<b>IV</b> 4 hrs.	<b>Research approaches and designs</b> <ul style="list-style-type: none"> <li>• Historical, survey and experimental Qualitative and Quantitative designs</li> </ul>
<b>V</b> 8 hrs.	<b>Sampling and data collection</b> <ul style="list-style-type: none"> <li>• Definition of population, sample, Sampling criteria, factors influencing sampling process, types of sampling techniques.</li> <li>• Data- why, what, from whom, when and where to collect.</li> <li>• Data Collection methods and instruments:</li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Methods of data collection</li> <li><input type="checkbox"/> Questioning, interviewing</li> <li><input type="checkbox"/> Observations, record analysis and measurement</li> <li><input type="checkbox"/> Types of instruments</li> <li><input type="checkbox"/> Validity &amp; Reliability of the Instrument</li> <li><input type="checkbox"/> Pilot study</li> <li><input type="checkbox"/> Data collection procedure</li> </ul>
<b>VI</b> <b>4 hrs.</b>	<p><b>Analysis of data:</b></p> <ul style="list-style-type: none"> <li>• Compilation, Tabulation, classification, summarization, presentation, interpretation of data</li> </ul>
<b>VII</b> <b>15 hrs.</b>	<p><b>Introduction to statistics</b></p> <ul style="list-style-type: none"> <li>• Definition, use of statistics, scales of measurement.</li> <li>• Frequency distribution and graphical presentation of data</li> <li>• Mean, Median, Mode, Standard deviation</li> <li>• Normal probability and tests of significance</li> <li>• Co-efficient of correlation.</li> <li>• Statistical packages and its application</li> </ul>
<b>VIII</b> <b>4 hrs.</b>	<p><b>Communication and utilization of Research</b></p> <ul style="list-style-type: none"> <li>• Communication of research findings <ul style="list-style-type: none"> <li><input type="checkbox"/> Verbal report</li> <li><input type="checkbox"/> Writing research report</li> <li><input type="checkbox"/> Writing scientific article/paper <ul style="list-style-type: none"> <li>- Critical review of published research</li> <li>- Utilization of research findings</li> </ul> </li> </ul> </li> </ul>



# Midwifery and Obstetrical Nursing

Placements : Fourth year

Time : Theory - 90 hrs.

Practical - 180 hrs.

**Course Description :** This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal period in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

Unit	Content
I  3 hrs	<p><b>Introduction to midwifery and obstetrical Nursing</b></p> <ul style="list-style-type: none"> <li>• Introduction to concepts of midwifery and obstetrical nursing</li> <li>• Trends in midwifery and obstetrical nursing <ul style="list-style-type: none"> <li><input type="checkbox"/> Historical perspectives and current trends</li> <li><input type="checkbox"/> Legal and ethical aspects</li> <li><input type="checkbox"/> Pre-conception care and preparing for parenthood</li> <li><input type="checkbox"/> Role of nurse in midwifery and obstetrical care.</li> <li><input type="checkbox"/> National policy and legislation in relation to maternal health and welfare.</li> <li><input type="checkbox"/> Maternal, morbidity, mortality and fertility rates.</li> <li><input type="checkbox"/> Perinatal, morbidity and mortality rates</li> </ul> </li> </ul>
II  8 hrs.	<p><b>Review of anatomy and physiology of female reproductive system and foetal development</b></p> <ul style="list-style-type: none"> <li>• Female pelvis-general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape.</li> <li>• Female organs of reproduction-external genitalia, internal genital organs and their anatomical relations, musculature-blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum.</li> <li>• Physiology of menstrual cycle</li> <li>• Human sexuality</li> <li>• Foetal development <ul style="list-style-type: none"> <li><input type="checkbox"/> Conception</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term-functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord,</li> <li><input type="checkbox"/> Foetal circulation, foetal skull, bones, sutures and measurements.</li> <li>• Review of Genetics</li> </ul>
<p>III</p> <p>8 hrs.</p>	<p><b>Assessment and management of pregnancy (ante-natal)</b></p> <ul style="list-style-type: none"> <li>• <b>Normal pregnancy</b></li> <li>• Physiological changes during pregnancy <ul style="list-style-type: none"> <li><input type="checkbox"/> Reproductive system</li> <li><input type="checkbox"/> Cardio vascular system</li> <li><input type="checkbox"/> Respiratory system</li> <li><input type="checkbox"/> Urinary system</li> <li><input type="checkbox"/> Gastro intestinal system</li> <li><input type="checkbox"/> Metabolic changes</li> <li><input type="checkbox"/> Skeletal changes</li> <li><input type="checkbox"/> Skin changes</li> <li><input type="checkbox"/> Endocrine system</li> <li><input type="checkbox"/> Psychological changes</li> <li><input type="checkbox"/> Discomforts of pregnancy</li> </ul> </li> <li>• Diagnosis of pregnancy <ul style="list-style-type: none"> <li><input type="checkbox"/> Signs</li> <li><input type="checkbox"/> Differential diagnosis</li> <li><input type="checkbox"/> Confirmatory test</li> </ul> </li> <li>• Ante-natal care <ul style="list-style-type: none"> <li><input type="checkbox"/> Objective</li> <li><input type="checkbox"/> Assessment <ul style="list-style-type: none"> <li>- History and physical examination</li> <li>- Antenatal Examination</li> <li>- Signs of previous child-birth <ul style="list-style-type: none"> <li><input type="checkbox"/> Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, position</li> <li><input type="checkbox"/> Per-vaginal examination.</li> </ul> </li> </ul> </li> </ul> </li> <li>• Screening and assessment for high risk;</li> </ul>

	<ul style="list-style-type: none"> <li>• Risk approach</li> <li>• History and Physical Examination</li> <li>• Modalities of diagnosis; Invasive &amp; Non-Invasive, ultrasonic, cardiotomography, NST,CST</li> <li>• Antenatal preparation <ul style="list-style-type: none"> <li><input type="checkbox"/> Antenatal counseling</li> <li><input type="checkbox"/> Antenatal exercises</li> <li><input type="checkbox"/> Diet</li> <li><input type="checkbox"/> Substance use</li> <li><input type="checkbox"/> Education for child-birth</li> <li><input type="checkbox"/> Husband and families</li> <li><input type="checkbox"/> Preparation for safe-confinement</li> <li><input type="checkbox"/> Prevention from radiation</li> </ul> </li> <li>• Psycho-social and cultural aspects of pregnancy <ul style="list-style-type: none"> <li><input type="checkbox"/> Adjustment to pregnancy</li> <li><input type="checkbox"/> Unwed mother</li> <li><input type="checkbox"/> Single parent</li> <li><input type="checkbox"/> Teenage pregnancy</li> <li><input type="checkbox"/> Sexual violence</li> </ul> </li> <li>• Adoption</li> </ul>
IV  12 hrs.	<b>Assessment and management of intra-natal period</b> <ul style="list-style-type: none"> <li>• Physiology of labour, mechanism of labour</li> <li>• Management of labour <ul style="list-style-type: none"> <li><input type="checkbox"/> First stage <ul style="list-style-type: none"> <li>- Signs and symptoms of onset of labour; normal and abnormal</li> <li>- Duration</li> <li>- Preparation of; <ul style="list-style-type: none"> <li><input type="checkbox"/> Labour room</li> <li><input type="checkbox"/> Woman</li> </ul> </li> <li>- Assessment and observation of women in labour; partogram-maternal and foetal monitoring</li> <li>- Active management of labour, Induction of labour</li> <li>- Pain relief and comfort in labour</li> </ul> </li> <li>• Second stage <ul style="list-style-type: none"> <li><input type="checkbox"/> Signs and symptoms; normal and abnormal</li> <li><input type="checkbox"/> Duration</li> <li><input type="checkbox"/> Conduct of delivery ; Principles and techniques</li> <li><input type="checkbox"/> Episiotomy (only if required)</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Receiving the new born <ul style="list-style-type: none"> <li>- Neonatal resuscitation; initial steps and subsequent resuscitation</li> <li>- Care of umbilical cord</li> <li>- Immediate assessment including screening for congenital anomalies</li> <li>- Identification</li> <li>- Bonding</li> <li>- Initiate feeding</li> <li>- Screening and transportation of the neonate</li> </ul> </li> <li>• Third stage <ul style="list-style-type: none"> <li><input type="checkbox"/> Signs and symptoms; normal and abnormal</li> <li><input type="checkbox"/> Duration</li> <li><input type="checkbox"/> Method of placental expulsion</li> <li><input type="checkbox"/> Management; Principles and technique</li> <li><input type="checkbox"/> Examination of the placenta</li> <li><input type="checkbox"/> Examination of perineum</li> </ul> </li> <li>• Maintaining records and reports</li> <li>• Fourth Stage</li> </ul>
V 5 hrs.	<b>Assessment and management of women during post natal period</b> <ul style="list-style-type: none"> <li>• Normal puerperium ; Physiology, Duration •</li> <li>• Postnatal assessment and management <ul style="list-style-type: none"> <li><input type="checkbox"/> Promoting physical and emotional well-being</li> <li><input type="checkbox"/> Lactation management</li> <li><input type="checkbox"/> Immunization</li> </ul> </li> <li>• Family dynamics after child-birth.</li> <li>• Family welfare services; methods, counseling</li> <li>• Follow-up</li> <li>• Records and reports</li> </ul>
VI 6 hrs.	<b>Assessment and management of normal neonates</b> <ul style="list-style-type: none"> <li>• Normal neonate; <ul style="list-style-type: none"> <li><input type="checkbox"/> Physiological adaptation;</li> <li><input type="checkbox"/> Initial &amp; Daily assessment</li> <li><input type="checkbox"/> Essential newborn care; Thermal control,</li> <li><input type="checkbox"/> Breast feeding, presentation of infections</li> </ul> </li> <li>• Immunization</li> <li>• Minor disorders of newborn and its management</li> <li>• Levels of neonatal care (level I, II, &amp; III)</li> <li>• At primary, secondary and tertiary levels</li> <li>• Maintenance of Reports and Records</li> </ul>

<p>VII</p> <p>10 hrs.</p>	<p><b>High – risk pregnancy – assessment &amp; management</b></p> <ul style="list-style-type: none"> <li>• Screening and assessment <ul style="list-style-type: none"> <li><input type="checkbox"/> Ultrasonic, cardiotomography, NST, CST, non-invasive &amp; invasive,</li> <li><input type="checkbox"/> Newer modalities of diagnosis</li> </ul> </li> <li>• High-risk approach</li> <li>• Levels of care; primary, secondary and tertiary levels</li> <li>• Disorders of pregnancy <ul style="list-style-type: none"> <li><input type="checkbox"/> Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic Pregnancy, vesicular mole,</li> <li><input type="checkbox"/> Ante-partum haemorrhage.</li> </ul> </li> <li>• Uterine abnormality and displacement.</li> <li>• Diseases complicating pregnancy <ul style="list-style-type: none"> <li><input type="checkbox"/> Medical and surgical conditions</li> <li><input type="checkbox"/> Infections, RTI (STD), UTI, HIV, TORCH</li> <li><input type="checkbox"/> Gynecological diseases complicating pregnancy</li> <li><input type="checkbox"/> Pregnancy induced hypertension &amp; diabetes,</li> <li><input type="checkbox"/> Rh incompatibility</li> <li><input type="checkbox"/> Mental disorders</li> </ul> </li> <li>• Adolescent pregnancy, elderly primi and grand multipara</li> <li>• Multiple pregnancy</li> <li>• Abnormalities of placenta &amp; cord</li> <li>• Intra-uterine growth-retardation</li> <li>• Nursing management of mothers with high-risk pregnancy</li> <li>• Maintenance of records and report</li> </ul>
<p>VIII</p> <p>10 hrs.</p>	<p><b>Abnormal Labour-assessment and management</b></p> <ul style="list-style-type: none"> <li>• Disorders in labour <ul style="list-style-type: none"> <li><input type="checkbox"/> CPD and contracted pelvis</li> <li><input type="checkbox"/> Malpositions and malpresentations</li> <li><input type="checkbox"/> Premature labour, disorders of uterine actions-precipitate labour, prolonged labour</li> <li><input type="checkbox"/> Complications of third stage: injuries to birth canal</li> </ul> </li> <li>• Obstetrical emergencies and their management;</li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Presentation and prolapsed of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock</li> <li>• Obstetrical procedures and operations;</li> <li><input type="checkbox"/> Induction of labour, forceps, vacuum, version, manual removal of placenta, caesarean section, destructive operations</li> <li>• Nursing management of women undergoing Obstetrical operations and procedures</li> </ul>
IX 4 hrs.	<p><b>Abnormalities during Postnatal Periods</b></p> <ul style="list-style-type: none"> <li>• Assessment and management of woman with postnatal complications</li> <li><input type="checkbox"/> Puerperal infections, breast engorgement &amp; infections,UTI, thrombo-Embolic disorders, post - partum hemorrhage, Eclampsia and subinvolution.</li> <li><input type="checkbox"/> Psychological complications: <ul style="list-style-type: none"> <li>- Post partum Blues</li> <li>- Post partum Depression</li> <li>- Post partum Psychosis</li> </ul> </li> </ul>
X 10 hrs.	<p><b>Assessment and management of High risk newborn</b></p> <ul style="list-style-type: none"> <li>• <b>Admission of neonates in the neonatal intensive care unit – protocols</b></li> <li>• <b>Nursing management of :</b> <ul style="list-style-type: none"> <li>- Low birth weight babies</li> <li>- Infections</li> <li>- Respiratory problems</li> <li>- Hemolytic disorders</li> <li>- Birth injuries</li> <li>- Malformations</li> </ul> </li> <li>• Monitoring of high risk neonates</li> <li>• Feeding of high risk neonates</li> <li>• Organisation and management of neonatal intensive care units</li> <li>• Infection control in neonatal intensive care units</li> <li>• Maintenance of reports and records</li> </ul>
XI 4 hrs.	<p><b>Pharmaco-therapeutics in obstetrics</b></p> <ul style="list-style-type: none"> <li>• Indication, dosage, action, contra-indication and side effects of drugs</li> <li>• Effect of drugs on pregnancy, labour &amp; puerperium,</li> <li>• Nursing responsibilities in the administration of drug in obstetrics – Oxytocins,</li> </ul>



	<p>antihypertensives, diuretics, tocolytic agents, anticonvulsants,</p> <ul style="list-style-type: none"> <li>• Analgesics and anesthetics in obstetrics.</li> <li>• Effects of maternal medication on foetus and neonate</li> </ul>
XII 10 hrs.	<p><b>Family Welfare programme</b></p> <ul style="list-style-type: none"> <li>• Population trends and problems in India</li> <li>• Concepts, aims, importance and history of family welfare programme</li> <li>• National Population : dynamics, policy and education</li> <li>• National family welfare programme; RCH, ICDS, MCH. Safe motherhood</li> <li>• Organization and administration; at national, state, district, block and village levels</li> <li>• Methods of contraception; spacing, temporary and permanent, Emergency contraception</li> <li>• Infertility and its management</li> <li>• Counseling for family welfare</li> <li>• Latest research in contraception</li> <li>• Maintenance of vital statistics</li> <li>• Role of national, international and voluntary organizations</li> <li>• Role of a nurse in family welfare programme</li> <li>• Training/supervision/Collaboration with other functionaries in community like ANMs. LHVs. Anganwadi workers, TBAs (Traditional birth attendant Dai)</li> </ul>



# Midwifery and Obstetrical Nursing Practical

**Placements :** Fourth year

Time: Practical – 180 hrs  
Internship - 420 hrs.

**Clinical Areas :** Antenatal clinic/OPD, Antenatal wards Labour room O.T., Post natal ward, Newborn nursery, Family planning clinic, MCH Clinic.

Unit	Skills to be developed
I	<ul style="list-style-type: none"> <li>● Antenatal history taking</li> <li>● Physical examination</li> <li>● Recording of Weight &amp; B.P.</li> <li>● Hb &amp; Urine testing for sugar and albumin</li> <li>● Antenatal examination abdomen and breast</li> <li>● Immunization</li> <li>● Assessment of risk status</li> <li>● Teaching antenatal mothers</li> <li>● Maintenance of Antenatal records</li> </ul>
II	<ul style="list-style-type: none"> <li>● Assessment of Woman in labour</li> <li>● Pervaginal examinations and interpretation</li> <li>● Monitoring and caring of woman in labour</li> <li>● Maintenance of partograph</li> <li>● Conduct normal delivery</li> <li>● New born assessment and immediate care</li> <li>● Resuscitation of newborns</li> <li>● Assessment of risk status of newborn</li> <li>● Episiotomy and suturing</li> <li>● Maintenance of labour and birth records</li> <li>● Arrange for and assist with caesarean section and care for woman &amp; baby during Caesarean</li> <li>● Arrange for and assist with MTP and other surgical procedures</li> </ul>
III	<ul style="list-style-type: none"> <li>● Examination and assessment of mother and Baby</li> <li>● Identification of deviations</li> <li>● Care of postnatal mother and baby</li> </ul>

	<ul style="list-style-type: none"> <li>● Perineal care</li> <li>● Lactation management</li> <li>● Breast feeding</li> <li>● Baby bath</li> <li>● Immunization</li> <li>● Teaching postnatal mother: <ul style="list-style-type: none"> <li><input type="checkbox"/> Mother craft</li> <li><input type="checkbox"/> Post natal care &amp; Exercises</li> <li><input type="checkbox"/> Immunization</li> </ul> </li> </ul>
IV	<ul style="list-style-type: none"> <li>● Newborn assessment</li> <li>● Admission of neonates</li> <li>● Feeding of at risk neonates <ul style="list-style-type: none"> <li><input type="checkbox"/> Katori spoon, paladi, tube feeding, total parenteral nutrition</li> </ul> </li> <li>● Thermal management of neonates-kangaroo mother care, care of baby in incubator</li> <li>● Monitoring and care of neonates</li> <li>● Administering medications</li> <li>● Intravenous therapy</li> <li>● Assisting with diagnostic procedure</li> <li>● Assisting with exchange transfusion</li> <li>● Care of baby on ventilator</li> <li>● Phototherapy</li> <li>● Infection control protocols in the nursery</li> <li>● Teaching and counselling of parents</li> <li>● Maintenance of neonatal records</li> </ul>
V	<ul style="list-style-type: none"> <li>● Counselling techniques</li> <li>● Insertion of IUD</li> <li>● Teaching on use of family planning methods</li> <li>● Arrange for and assist with family planning operations</li> <li>● Maintenance of record and reports</li> </ul>

**\* Essential Requirements for registration as midwife**

◆ Antenatal examination	30
◆ Conducting normal deliveries in hospital/home/health centre	20
◆ Vaginal examination	5
◆ Episiotomy and suturing	5
◆ Neonatal resuscitation	5
◆ Assist with Caesarean Section	2
◆ Witness/Assist abnormal deliveries	5
◆ Postnatal cases nursed in hospital/home/health centre	20
◆ Insertion of IUD	5

Note: All casebooks must be certified by teacher on completion of essential requirements.

**Internship Obstetrical Nursing**

**Internship Duration – 9 weeks (420 hours)**

Area	Duration (In Weeks)	Objective	Skills	Assignment	Assessment methods
Labour ward	3	● Provide comprehensive care to mothers and neonates	● Integrate	● Completion of other essential requirement	● Assess clinical performance with rating scale
Neonatal intensive care unit/NICU	2			● Case book recording	● Completion of case book recording
Antenatal	2				
Postnatal	2				



# Community Health Nursing - II

**Placements :** Fourth year

Time : Theory - 90 hrs.

Practical - 135 hrs.

**Course Description :** This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concepts and principles of health and community health nursing.

Unit	Content
<b>I</b> 4 hrs.	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>• Definition, concept &amp; scope of Community Health and Community Health Nursing.</li> <li>• Historical development of               <ul style="list-style-type: none"> <li><input type="checkbox"/> Community health</li> <li><input type="checkbox"/> Community health Nursing                   <ul style="list-style-type: none"> <li>- Pre-independence</li> <li>- Post-independence</li> </ul> </li> </ul> </li> </ul>
<b>II</b> 6 hrs.	<p><b>Health planning and policies and problems</b></p> <ul style="list-style-type: none"> <li>• National health planning in India Five Year Plans</li> <li>• Various communities and commissions on health and family welfare               <ul style="list-style-type: none"> <li><input type="checkbox"/> Central Council for Health and family welfare (CCH and FW)</li> <li><input type="checkbox"/> National health policies (1983, 2002)</li> <li><input type="checkbox"/> National population policy</li> </ul> </li> <li>• Health problems in India</li> <li>• Environmental pollution: Cause, effects and control measures</li> <li>• Acts related to environmental health               <ul style="list-style-type: none"> <li><input type="checkbox"/> Environment protection act</li> <li><input type="checkbox"/> Air (prevention and control of pollution) Act</li> <li><input type="checkbox"/> Water (prevention and control of pollution) Act</li> <li><input type="checkbox"/> Wild life protection act</li> <li><input type="checkbox"/> Forest conservation act</li> <li><input type="checkbox"/> Issues involved in enforcement of environmental legislation</li> </ul> </li> </ul>

<p><b>III</b></p> <p><b>15</b></p> <p><b>hrs.</b></p>	<p><b>Delivery of community health services</b></p> <ul style="list-style-type: none"> <li>• Planning, budgeting and material management of SCs, PHC and, CHC</li> <li>• Rural : Organization staffing and functions of rural health services provided by government at: <ul style="list-style-type: none"> <li><input type="checkbox"/> Village</li> <li><input type="checkbox"/> Subcentre</li> <li><input type="checkbox"/> Primary health centre</li> <li><input type="checkbox"/> Community health centre/sub divisional</li> <li><input type="checkbox"/> Hospitals</li> <li><input type="checkbox"/> District</li> <li><input type="checkbox"/> State</li> <li><input type="checkbox"/> Centre</li> </ul> </li> <li>• Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> <li><input type="checkbox"/> Slums</li> <li><input type="checkbox"/> Dispensaries</li> <li><input type="checkbox"/> Maternal and child health centers</li> <li><input type="checkbox"/> Special Clinics</li> <li><input type="checkbox"/> Hospitals</li> <li><input type="checkbox"/> Corporation/Municipality/ Board</li> </ul> </li> <li>• Components of health services <ul style="list-style-type: none"> <li><input type="checkbox"/> Environmental sanitation – causes, effects and control measures of urban waste.</li> <li><input type="checkbox"/> Health education</li> <li><input type="checkbox"/> Vital statistics</li> <li><input type="checkbox"/> M.C.H. antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act.</li> <li><input type="checkbox"/> Family welfare</li> <li><input type="checkbox"/> National health programmes</li> <li><input type="checkbox"/> School health services</li> <li><input type="checkbox"/> Occupational health – solid waste management, cause effect and control measures.</li> <li><input type="checkbox"/> Defense services</li> </ul> </li> </ul>
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	<ul style="list-style-type: none"> <li><input type="checkbox"/> Institutional services</li> <li>• Systems of medicine and health care <ul style="list-style-type: none"> <li><input type="checkbox"/> Allopathy</li> <li><input type="checkbox"/> Indian system of Medicine and Homeopathy</li> <li><input type="checkbox"/> Alternative health care systems like yoga, meditation, social and spiritual healing etc.</li> </ul> </li> <li>• Referral system</li> </ul>
<p><b>IV</b></p> <p>25 hrs.</p>	<p><b>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</b></p> <ul style="list-style-type: none"> <li>• Approaches <ul style="list-style-type: none"> <li><input type="checkbox"/> Nursing theories and nursing process</li> <li><input type="checkbox"/> Epidemiological approach</li> <li><input type="checkbox"/> Problems solving approach</li> <li><input type="checkbox"/> Evidence based approach</li> <li><input type="checkbox"/> Empowering people to care for themselves</li> </ul> </li> <li>• Concepts of Primary Health Care : <ul style="list-style-type: none"> <li><input type="checkbox"/> Equitable distribution</li> <li><input type="checkbox"/> Community participation</li> <li><input type="checkbox"/> Focus on prevention</li> <li><input type="checkbox"/> Use of appropriate technology</li> <li><input type="checkbox"/> Multi-sectoral approach</li> </ul> </li> <li>• Roles and responsibilities of Community health nursing personnel in – <ul style="list-style-type: none"> <li><input type="checkbox"/> Family health services</li> <li><input type="checkbox"/> Information Education communication (IEC) - Role in environment and health.</li> <li><input type="checkbox"/> Management Information System (MIS): Maintenance of Records &amp; reports</li> <li><input type="checkbox"/> Training and supervision of various categories of health workers</li> <li><input type="checkbox"/> National Health Programmes</li> <li><input type="checkbox"/> Environmental sanitation</li> <li><input type="checkbox"/> Maternal and child health and Family welfare</li> <li><input type="checkbox"/> Treatment of minor ailments</li> <li><input type="checkbox"/> School Health Services</li> <li><input type="checkbox"/> Occupational Health</li> <li><input type="checkbox"/> Organization of clinics, camps: Types, Preparation, Planning, conduct and evaluation</li> <li><input type="checkbox"/> Waste management in the center, clinics etc.</li> </ul> </li> <li>• Home visit: Concept, Principles, Process, Techniques: Bag technique in home visit</li> <li>• Qualities of Community Health Nurse</li> <li>• Job Description of Community health nursing personnel</li> </ul>

<p>V</p> <p>15 hrs.</p>	<p><b>Assisting individuals and groups to promote and maintain their health</b></p> <ul style="list-style-type: none"> <li>• Empowerment for self care of individuals, families and groups in-</li> </ul> <p><b>A- Assessment of self and family</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Monitoring growth and development <ul style="list-style-type: none"> <li>- Mile stones</li> <li>- Weight measurement</li> <li>- Social development</li> </ul> </li> <li><input type="checkbox"/> Temperature and Blood pressure monitoring</li> <li><input type="checkbox"/> Menstrual cycle</li> <li><input type="checkbox"/> Breast self examination and testicles examination</li> <li><input type="checkbox"/> Warning Sign of various diseases</li> <li><input type="checkbox"/> Tests : Urine for sugar and albumin, blood sugar</li> </ul> <p><b>B. Seek health services for</b> •</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Routine checkup</li> <li><input type="checkbox"/> Immunization</li> <li><input type="checkbox"/> Counseling</li> <li><input type="checkbox"/> Diagnosis</li> <li><input type="checkbox"/> Treatment</li> <li><input type="checkbox"/> Follow up</li> </ul> <p><b>C. Maintenance of health records for self and family</b></p> <p><b>D. Continue medical care and follow up in community for various diseases and disabilities.</b></p> <p><b>E. Carryout therapeutic procedures as prescribed/required for self and family</b></p> <p><b>F. Waste Management</b></p> <ul style="list-style-type: none"> <li>• Collection and disposable of waste at home and community</li> </ul> <p><b>G. Sensitize and handle social issues affecting health and development for self and family</b></p> <ul style="list-style-type: none"> <li>• Women Empowerment, Women and child welfare</li> <li>• Women and child abuse</li> <li>• Abuse of elders</li> <li>• Female Foeticide</li> <li>• Commercial sex workers</li> </ul>
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	<ul style="list-style-type: none"> <li>• Food adulteration</li> <li>• Substance abuse</li> </ul> <p><b>H. Utilize community resources for self and family</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Trauma Services</li> <li><input type="checkbox"/> Old age homes</li> <li><input type="checkbox"/> Orphanage</li> <li><input type="checkbox"/> Homes for physically and mentally challenged individuals</li> <li><input type="checkbox"/> Homes for destitute</li> </ul>
<p><b>VI</b></p> <p>20 hrs.</p>	<p><b>National health and family welfare programmes and the role of a nurse</b></p> <ol style="list-style-type: none"> <li>(1) National ARI programme</li> <li>(2) Revised National Tuberculosis Control programme (RNTCP)</li> <li>(3) National Anti-Malaria programme</li> <li>(4) National Filaria Control programme</li> <li>(5) National Guinea worm eradication programme</li> <li>(6) National Leprosy eradication programme</li> <li>(7) National AIDS control programme</li> <li>(8) STD control programme</li> <li>(9) National programme for control of blindness</li> <li>(10) Iodine deficiency disorder programme</li> <li>(11) Expanded programme on immunization</li> <li>(12) National Family welfare programme- RCH programme historical development, organization, administration, research, constraints</li> <li>(13) National water supply and sanitation programme</li> <li>(14) Minimum Need programme</li> <li>(15) National Diabetics control programme</li> <li>(16) Polio Eradication: Pulse Polio Programme</li> <li>(17) National Cancer Control Programme</li> <li>(18) Yaws Eradication Programme</li> <li>(19) National Nutritional Anemia Prophylaxis programme</li> <li>(20) 20 point programme</li> <li>(21) ICDS programme</li> <li>(22) Mid-day meal applied nutritional programme</li> <li>(23) National mental health programme</li> </ol>

	<ul style="list-style-type: none"> <li>• Health schemes <ul style="list-style-type: none"> <li><input type="checkbox"/> ESI</li> <li><input type="checkbox"/> CGHS</li> <li><input type="checkbox"/> Health insurance</li> </ul> </li> </ul>
<b>VII</b>  5 hrs.	<ul style="list-style-type: none"> <li>• <b>Health Agencies</b></li> </ul> <p><b>International</b> – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, Care etc.</p> <p><b>National</b> – Indian Red cross, Indian Council for child welfare, family planning Association of India (FPAI), Tuberculosis Association of India. Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women’s conference, Blind Association of India etc.</p>





# Community Health Nursing – II Practical

Placements : Fourth year

Time : Practical - 135 hrs.

Internship - 192 hrs.

Clinical Areas: Community health urban and rural centres.

Unit	Skills to be developed
<b>I</b>	
<b>1 week Urban</b>	<ul style="list-style-type: none"> <li>● Community health survey</li> <li>● Community diagnosis family care: Home adaptation of common procedures</li> <li>● Home visit: Bag technique</li> <li>● Organize and conduct clinics antenatal, postnatal, well baby clinic, camps etc</li> <li>● Screen manage and referrals for:               <ul style="list-style-type: none"> <li><input type="checkbox"/> High risk mothers and neonates</li> <li><input type="checkbox"/> Accidents and emergencies</li> <li><input type="checkbox"/> Illnesses: Physical and mental</li> <li><input type="checkbox"/> Disabilities</li> </ul> </li> <li>● Conduct delivery at centre/home: episiotomy and suturing</li> <li>● Resuscitate newborn</li> <li>● School health programme               <ul style="list-style-type: none"> <li><input type="checkbox"/> Screen, manage, refer children</li> <li><input type="checkbox"/> Collaborate with health and allied agencies</li> </ul> </li> <li>● Train and supervise health workers</li> <li>● Provide family welfare services: insertion of IUD</li> <li>● Counsel and teach individuals, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc</li> <li>● Collect and calculate vital health statistics</li> <li>● Document and maintain               <ul style="list-style-type: none"> <li><input type="checkbox"/> Individual, family and administrative records.</li> <li><input type="checkbox"/> Write reports – center, diseases, national health programme/projects.</li> </ul> </li> </ul>
<b>4 week Rural</b>	

Internship:

Time : 192 hrs (4 weeks)

Area	Duration	Objective	Skills to be developed	Assessment
Urban	4 weeks	<ul style="list-style-type: none"> <li>● Provide comprehensive care to individual, family and community</li> </ul>	<ul style="list-style-type: none"> <li>● Integrated Practice and group project - I in each rural and urban</li> </ul>	<ul style="list-style-type: none"> <li>● Assess clinical performance with rating scale</li> <li>● Evaluation of project</li> </ul>

Note : During the rural posting they should stay in health centres under the supervision of teachers.



# Management of Nursing Services and Education

Placements: Fourth year

Time : Theory - 90 hrs.

**Course Description:** This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

Unit	Content
<b>I</b> 4 hrs. (T)	<b>Introduction to management in nursing</b> <ul style="list-style-type: none"> <li>• Definition, concepts and theories</li> <li>• Functions of management</li> <li>• Principles of management</li> <li>• Role of nurse as a manager</li> </ul>
<b>II</b> 5 hrs. (T)	<b>Management process</b> <ul style="list-style-type: none"> <li>• Planning; mission, philosophy, objectives, operational plan</li> <li>• Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling.</li> <li>• Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc.</li> <li>• Budgeting: concept, principles, types, cost benefit analysis, audit</li> <li>• Material management: equipment and supplies</li> <li>• Directing process (Leading)</li> <li>• Controlling: Quality management</li> <li>• Program Evaluation Review Technique (PERT), Bench marking, Activity plan (Gantt Chart).</li> </ul>

<b>III</b> <b>8 hrs.</b> <b>(T)</b>  <b>20</b> <b>hrs.</b> <b>(P)</b>	<b>Management of nursing services in the hospital and Community</b> <ul style="list-style-type: none"> <li>• Planning: <ul style="list-style-type: none"> <li><input type="checkbox"/> Hospital and patient care units including ward management</li> <li><input type="checkbox"/> Emergency and disaster management</li> </ul> </li> <li>• Human resource management: <ul style="list-style-type: none"> <li><input type="checkbox"/> Recruiting, selecting, deployment, retaining, promoting, superannuation etc.</li> <li><input type="checkbox"/> Categories of nursing personnel including job description of all levels</li> <li><input type="checkbox"/> Patient/population classification systems</li> <li><input type="checkbox"/> Patients/ population assignment and nursing care responsibilities</li> <li><input type="checkbox"/> Staff development and welfare</li> </ul> </li> <li>• Budgeting: proposal, projecting requirements for staff, equipments and supplies for - <ul style="list-style-type: none"> <li><input type="checkbox"/> Hospital and patient care units</li> <li><input type="checkbox"/> Emergency and disaster management</li> </ul> </li> <li>• Material Management; procurement, inventory control, auditing and maintenance in - <ul style="list-style-type: none"> <li><input type="checkbox"/> Hospital and patient care units</li> <li><input type="checkbox"/> Emergency and disaster management</li> </ul> </li> <li>• Directing and leading: delegation, participatory management - <ul style="list-style-type: none"> <li><input type="checkbox"/> Assignments, rotations, delegations</li> <li><input type="checkbox"/> Supervision &amp; guidance</li> <li><input type="checkbox"/> Implement standards, policies, procedures and practices</li> <li><input type="checkbox"/> Staff development and welfare</li> <li><input type="checkbox"/> Maintenance of discipline</li> </ul> </li> <li>• Controlling/Evaluation: <ul style="list-style-type: none"> <li><input type="checkbox"/> Nursing Rounds/Visits, nursing protocols, manuals</li> <li><input type="checkbox"/> Quality Assurance Model, documentation-</li> <li><input type="checkbox"/> Records and reports performance appraisal</li> </ul> </li> </ul>
<b>IV</b> <b>5 hrs.</b>	<b>Organizational behaviour and human relations</b> <ul style="list-style-type: none"> <li>• Concepts and theories of organizational behaviours</li> <li>• Review of Channels of Communication</li> </ul>

	<ul style="list-style-type: none"> <li>• Leadership styles</li> <li>• Review of Motivation; concepts and theories</li> <li>• Group dynamics</li> <li>• Techniques of; <ul style="list-style-type: none"> <li><input type="checkbox"/> Communication; and</li> <li><input type="checkbox"/> Interpersonal relationships</li> <li><input type="checkbox"/> Human relations;</li> </ul> </li> <li>• Public relations in context of nursing</li> <li>• Relations with professional associations and employee unions and Collective bargaining</li> </ul>
<b>V</b> <b>5 hrs.</b> <b>(T)</b>  <b>5 hrs.</b> <b>(P)</b>	<b>In Service education</b> <ul style="list-style-type: none"> <li>• Nature &amp; scope of in-service education programme.</li> <li>• Organization of in-service education</li> <li>• Principles of adult learning</li> <li>• Planning for in-service education program, techniques, methods &amp; evaluation of staff education program,</li> <li>• Preparation of report</li> </ul>
<b>VI</b>  <b>10 hrs.</b>	<b>Management of nursing educational institutions</b> <ul style="list-style-type: none"> <li>• Establishment of nursing educational institution – INC norms and guidelines</li> <li>• Co-ordination with- <ul style="list-style-type: none"> <li><input type="checkbox"/> Regulatory bodies</li> <li><input type="checkbox"/> Accreditation</li> <li><input type="checkbox"/> Affiliation <ul style="list-style-type: none"> <li>- Philosophy/objectives</li> <li>- Organization</li> </ul> </li> <li><input type="checkbox"/> Structure</li> <li><input type="checkbox"/> Committees <ul style="list-style-type: none"> <li>- Physical facilities</li> </ul> </li> <li><input type="checkbox"/> College/School</li> <li><input type="checkbox"/> Hostel <ul style="list-style-type: none"> <li>- Students</li> </ul> </li> <li><input type="checkbox"/> Selection</li> <li><input type="checkbox"/> Admission</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li><input type="checkbox"/> Guidance and Counseling</li> <li><input type="checkbox"/> Maintaining discipline <ul style="list-style-type: none"> <li>- Faculty and staff</li> </ul> </li> <li><input type="checkbox"/> Selection</li> <li><input type="checkbox"/> Recruitment</li> <li><input type="checkbox"/> Job description</li> <li><input type="checkbox"/> Placement</li> <li><input type="checkbox"/> Performance appraisal</li> <li><input type="checkbox"/> Development and welfare</li> <li>• Budgeting</li> <li>• Equipments and supplies: audiovisual equipments, laboratory equipment, books, journals etc.</li> <li>• Curriculum; Planning, implementation and evaluation,</li> <li>• Clinical facilities</li> <li>• Transport facilities</li> <li>• Institutional Records and reports – Administrative, faculty, staff and students</li> </ul>
<p><b>VII</b></p> <p><b>10 hrs.</b></p>	<p><b>Nursing as a profession</b></p> <ul style="list-style-type: none"> <li>• <b>Nursing as a profession</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> Philosophy; nursing practice</li> <li><input type="checkbox"/> Aims and objectives</li> <li><input type="checkbox"/> Characteristics of a professional nurse</li> <li><input type="checkbox"/> Regulatory bodies; INC, SNC Acts:- constitution, functions</li> <li><input type="checkbox"/> Current trends and issues in nursing</li> </ul> </li> <li>• Professional ethics <ul style="list-style-type: none"> <li><input type="checkbox"/> Code of ethics; INC, ICN</li> <li><input type="checkbox"/> Code of Professional conduct; INC, ICN</li> </ul> </li> <li>• Practice standards for Nursing; INC</li> <li>• Consumer protection act</li> <li>• Legal Aspects in nursing <ul style="list-style-type: none"> <li><input type="checkbox"/> Legal terms related to practice; registration and licensing</li> <li><input type="checkbox"/> Laws related to nursing practice; Branch and penalties</li> <li><input type="checkbox"/> Malpractice and negligence</li> </ul> </li> </ul>

<b>VIII</b>  <b>3 hrs.</b>	<b>Professional Advancement:</b> <ul style="list-style-type: none"><li>• Continuing education</li><li>• Career Opportunities</li><li>• Collective bargaining</li><li>• Membership with professional organizations; National and International</li><li>• Participation in research activities</li><li>• Publications; Journals, Newspapers etc.</li></ul>
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