



# ENGLISH

**Placement: First year**

**Theory - 60 Hours**

**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 experience.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> <li>➤ Speak &amp; write</li> <li>➤ Grammatically correct English</li> </ul>	<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>	<ul style="list-style-type: none"> <li>➤ Demonstrate use of dictionary grammar</li> <li>➤ Class-room Conversation</li> <li>➤ Exercise on use of Grammar</li> <li>➤ Practice in Public speaking</li> </ul>	<ul style="list-style-type: none"> <li>➤ Objective type</li> <li>➤ Fill in the blanks</li> <li>➤ Para Phrasing</li> </ul>
II	30	<ul style="list-style-type: none"> <li>➤ Develop ability to read, understand and express meaningfully, the prescribed text.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Read and comprehend prescribed course books</li> </ul>	Exercise on: <ul style="list-style-type: none"> <li>➤ Reading</li> <li>➤ Summarizing</li> <li>➤ Comprehension</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short Answers</li> <li>➤ Essay type.</li> </ul>
III	10	<ul style="list-style-type: none"> <li>➤ Develop writing skills</li> </ul>	Various forms of composition <ul style="list-style-type: none"> <li>➤ Letter writing</li> <li>➤ Note takings</li> <li>➤ Precise writings</li> <li>➤ Nurses Notes</li> <li>➤ Anecdotal records</li> <li>➤ Diary writing</li> <li>➤ Reports on health problem etc</li> </ul>	Exercise on writing: <ul style="list-style-type: none"> <li>➤ Letter writing</li> <li>➤ Nurses Notes</li> <li>➤ Précis</li> <li>➤ Diary</li> <li>➤ Anecdotal</li> <li>➤ Health problem</li> <li>➤ Resume /CV</li> <li>➤ Essay Writing</li> </ul> - Discussion on written reports / documents	Assessment of the skills based on the checklist.
IV	6	<ul style="list-style-type: none"> <li>➤ Develop skill in spoken English</li> </ul>	<b>Spoken English</b> <ul style="list-style-type: none"> <li>➤ Oral report</li> <li>➤ Discussion</li> <li>➤ Debate</li> <li>➤ Telephonic Conversion</li> </ul>	Exercise on: <ul style="list-style-type: none"> <li>➤ Debating</li> <li>➤ Participating in Seminar, Panel, Symposium</li> <li>➤ Telephonic Conversion</li> <li>➤ Conversation in different situations, practice in public speaking</li> </ul>	Assessment of the skills based on the checklist.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment methods</b>
V	4	➤ Developing skills in listening comprehension	Listening Comprehension ➤ Media, audio, video, speeches etc.	Exercise on: ➤ Listening to audio, video tapes and identify the key points	Assessment of the skills based on the checklist.

**ENGLISH      100 MARKS**

*Internal Examination:*

*100*

# ANATOMY

**Placement: First year**

**Theory - 60 Hours**

**Course description:**

The course is designed to assist students to acquire the knowledge of the normal structure of human body & functions. To ensure the students to understand the alternation in anatomical structure and function in disease and practice of Nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	➤ Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands	<b>Introduction to Anatomical terms organization of the human body</b> <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> Alterations in disease Applications and implications nursing	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using charts, microscopic slides, Skeleton &amp; torso</li> <li>➤ Demonstrate cells, types of tissues membranes and glands</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
II	6	➤ Describe the structure & function of bones and joints	<b>The Skeletal System</b> <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> <li>➤ Alterations in disease</li> </ul> Applications and implications in nursing	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using charts, skeleton, loose bones, and joints</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
III	7	➤ Describe the structure and function of muscles	<b>The Muscular System</b> <ul style="list-style-type: none"> <li>➤ Types and structure of muscles</li> <li>➤ Muscle groups</li> </ul> Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using chart, models and films</li> <li>➤ Demonstrate muscular movements</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
IV	6	➤ Describe the structure & function of nervous system	<b>The Nervous System</b> <ul style="list-style-type: none"> <li>➤ Structure of neurologia &amp; neurons</li> <li>➤ Somatic Nervous system - Structure of brain, spinal cord, cranial nerves,</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using models, charts, slides, specimens</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			spinal nerves, peripheral nerves ➤ Autonomic Nervous System — sympathetic, parasympathetic - Structure, location Alterations in disease Applications and implications in nursing		
V	6	Explain the structure & functions of sensory organs	<b>The Sensory Organs</b> ➤ Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus) Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
VI	7	Describe the structure & function of circulatory and lymphatic system	<b>Circulatory and lymphatic system</b> ➤ The Circulatory System - Blood — Microscopic structure - Structure of Heart Structure of blood vessels — Arterial & Venous System, - Circulation: systemic, pulmonary, coronary Lymphatic system - Lymphatic vessels and lymph - Lymphatic tissues - Thymus gland - Lymph nodes - Spleen - Lymphatic nodules Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
VII	5	➤ Describe the structure & functions of respiratory system	<b>The Respiratory System</b> • Structure of the organs of respiration • Muscles of respiration: Intercostal and Diaphragm Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
VIII	6	Describe the structure & functions of digestive system	<b>The Digestive System</b> • Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			nursing		
IX	4	Describe the structure & functions Of excretory system	<b>The Excretory System (Urinary)</b> • Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using models, charts, slides, specimens</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
X	4	Describe the structure & functions of endocrine system	<b>•The Endocrine System</b> Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using models, charts, slides, specimens</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
XI	4	Describe the structure and functions of reproductive system	<b>The Reproductive system including breast</b> • Structure of female reproductive organs • Structure of male reproductive organs. • Structure of breast Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using models, charts, slides, specimens</li> <li>➤ Record book</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

**Prescribed Internal Assessment Weightage:**

*Internal Assessment : (i) Term Test - 15*  
*(ii) Assignment - 5*  
*(iii) Record Work - 5*



# PHYSIOLOGY

Placement: First year

Theory - 60 Hours

## 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 diseases and practice of nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> <li>➤ Describe the physiology of cell, tissues, membranes and glands</li> </ul>	<b>Cell Physiology</b> <ul style="list-style-type: none"> <li>➤ Tissue-formation, repair</li> <li>➤ Membranes &amp; glands — functions Alterations in disease Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
II	4	<ul style="list-style-type: none"> <li>➤ Describe the bone formation and growth and movements of skeleton system</li> </ul>	<b>Skeletal System</b> <ul style="list-style-type: none"> <li>➤ Bone formation &amp; growth</li> <li>➤ Bones - Functions and movements of bones of axial and appendicular skeleton, bone healing</li> <li>➤ Joints and joint movement Alterations in disease Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, models and films</li> <li>➤ Demonstration of joint movements</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
III	4	<ul style="list-style-type: none"> <li>➤ Describe the muscle movements and tone and demonstrate muscle contraction and tone</li> </ul>	<b>Muscular System</b> <ul style="list-style-type: none"> <li>➤ Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture</li> <li>➤ Alterations in disease Applications and implications in nursing</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, models slides, specimen and films</li> <li>➤ Demonstration of muscle movements, tone and contraction</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	7	<ul style="list-style-type: none"> <li>➤ Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves</li> <li>➤ Demonstrate reflex action and stimulus</li> </ul>	<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, cranial and spinal nerves</li> <li>➤ Cerebrospinal fluid-Composition, circulation and function</li> <li>➤ Reflex arc, Reflex action and reflexes</li> </ul> <p>Autonomic functions— Pain: somatic, visceral, and referred</p> <p>Autonomic learning and biofeedback</p> <p>Alternations in disease</p> <p>Applications and implications in nursing.</p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using, Charts, models and films</li> <li>➤ Demonstrate nerve stimulus, reflex action, reflexes</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
V	8	<p>Describe the physiology blood and functions of Heart</p> <p>Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring</p>	<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> <li>➤ Alternations in disease</li> </ul> <p>Applications and implications in nursing.</p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, films</li> <li>➤ Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system.</li> <li>➤ Measurement of pulse, BP</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
VI	6	<ul style="list-style-type: none"> <li>• Describe the physiology and mechanisms of respiration</li> <li>• Demonstrates spirometry</li> </ul>	<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 Exchange of</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, films</li> <li>➤ Demonstration of spirometry</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>gases in tissues</p> <ul style="list-style-type: none"> <li>➤ Regulation of respiration.</li> <li>➤ Alterations in disease</li> </ul> <p>Applications and implications in nursing.</p>		
VII	6	<ul style="list-style-type: none"> <li>• Describes the physiology of digestive system</li> <li>• Demonstrates BMR</li> </ul>	<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> <p>Applications and implications in nursing.</p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, Films</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
VIII	5	<p>Describe the physiology of Excretory System</p>	<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</li> <li>• Regulation of body temperature</li> <li>• Fluid and electrolyte balance.</li> </ul> <p>Alterations in disease Applications and implications in nursing.</p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts films</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
IX	4	<ul style="list-style-type: none"> <li>• Describe the physiology of sensory organs</li> </ul>	<p><b>The Sensory Organ</b></p> <ul style="list-style-type: none"> <li>• Functions of skin, eye, ear, nose, tongue,</li> <li>• Alterations in disease</li> </ul> <p>Applications and implications in nursing</p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, films</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
X	5	<p>Describe the physiology of endocrine glands</p>	<p><b>The Endocrine System</b></p> <ul style="list-style-type: none"> <li>• Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Supra renal, Placenta and ovaries &amp; Testes</li> </ul> <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, films</li> <li>➤ Demonstration of BMR</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
XI	5	<p>Describe the physiology of male and female reproductive</p>	<p><b>The Reproductive System</b></p> <ul style="list-style-type: none"> <li>• Reproduction of cells — DNA, Mitosis, Meiosis, spermatogenesis, oogenesis.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, films,</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		system	<ul style="list-style-type: none"> <li>• Functions of female reproductive organs; Functions of breast, Female sexual cycle.</li> <li>• Introduction to embryology.</li> <li>• Functions of male reproductive organs, Male function in reproduction, Male fertility system, Alterations in disease</li> </ul> Applications and implications in nursing.	models, specimens	
XII	2	Describe the physiology of Lymphatic and Immunological System	<b>Lymphatic and Immunological System</b> <ul style="list-style-type: none"> <li>• Circulation of lymph</li> <li>• Immunity               <ul style="list-style-type: none"> <li>Formation of T-cells and cells</li> <li>Types of Immune response</li> <li>Antigens</li> <li>Cytokines</li> <li>Antibodies</li> </ul> </li> </ul> Applications and implications in nursing.	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Explain using Charts, films</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 15***

***Assignment - 5***

***Record Work - 5***

# NUTRITION

**Placement: First year**

**Theory - 60 Hours**

**Course Description:**

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		➤ Describe the relationship between nutrition & Health.	<b>Introduction</b> <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</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>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> <li>➤ Panel discussion</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
II	2		➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	<b>Carbohydrates</b> <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</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				consumption		
III	2		<ul style="list-style-type: none"> <li>➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats</li> </ul>	<b>Fats</b> <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</li> <li>• Malnutrition: Deficiencies and Over consumption</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
IV	2		<ul style="list-style-type: none"> <li>➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins</li> </ul>	<b>Proteins</b> <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, metabolism and storage</li> <li>• Malnutrition: Deficiencies and Over consumption</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
V	3		<ul style="list-style-type: none"> <li>➤ Describe the daily calorie requirements for different categories of people</li> </ul>	<b>Energy</b> <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>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> <li>➤ Exercise</li> <li>➤ Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
VI	4		<ul style="list-style-type: none"> <li>➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins</li> </ul>	<b>Vitamins</b> <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> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				➤ Hypervitaminosis		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
VII	4		<ul style="list-style-type: none"> <li>➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals</li> </ul>	<b>Minerals</b> <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>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
VIII	3		<ul style="list-style-type: none"> <li>➤ Describe the sources, functions and requirements of Water &amp; electrolytes</li> </ul>	<b>Water ,Metabolism, &amp; Electrolytes</b> <ul style="list-style-type: none"> <li>• Water: Daily requirement, regulation 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>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>
IX	5	15	<ul style="list-style-type: none"> <li>➤ Describe the Cookery rules and preservation of nutrients</li> <li>➤ Prepare and serve simple beverages and different types of foods</li> </ul>	<b>Cookery rules and preservation of nutrients</b> <ul style="list-style-type: none"> <li>• Principles, methods of cooking and serving</li> <li>• Preservation of nutrients</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</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Demonstration</li> <li>➤ Practice session</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> <li>➤ Assessment of practice sessions</li> </ul>
X	7	5	<ul style="list-style-type: none"> <li>➤ Describe and plan balanced diet for</li> </ul>	<b>Balanced diet</b> <ul style="list-style-type: none"> <li>➤ Elements</li> <li>➤ Food groups</li> <li>➤ Recommended Daily</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Explaining using charts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Short answer questions</li> <li>➤ Objective type</li> </ul>

			different categories of people	Allowance • Nutritive value of foods • Calculation of balanced diet for different categories of people Planning menu Budgeting of food Introduction to therapeutic diets: Naturopathy --Diet	➤ Practice session ➤ Meal planning	➤ Exercise on menu Planning
XI	4		➤ Describe various national programmes related to nutrition ➤ Describe The role of nurse in assessment of nutritional status and nutrition education	<b>Role of nurse in nutritional programmes</b> • National programmes related to nutrition o Vitamin A deficiency programme o National iodine deficiency disorders (IDD) programme o Mid-day meal programme o Integrated child development scheme (ICDS) • National and International agencies working towards food/nutrition o NIPCCD, CARE, FAO, NIN, CFTRI(Central food technology and research institute) etc • Assessment of nutritional status • Nutrition education and role of nurse	➤ Lecture Discussion ➤ Explaining using charts ➤ Slide /Film shows ➤ Demonstration of Assessment of nutritional status	➤ Short answer questions ➤ Objective type

**Prescribed Internal Assessment Weightage:**  
**NUTRITION**

Internal Assessment : Term Test - 15  
 Assignment - 5  
 Dietary practical - 5

# BIOCHEMISTRY

**Placement: First year**

**Theory - 60 Hours**

**Course Descriptions:**

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	6	- Describe the structure Composition and functions of cell - Differentiate between Prokaryote and Eukaryote cell - Identify techniques of Microscopy	<b>Introduction</b> ➤ Definition and significance in nursing ➤ Review of structure, Composition and functions of cell ➤ Prokaryote and Eukaryote cell organization ➤ Microscopy	Lecture discussion using charts, slides Demonstrate use of microscope	➤ Short answer questions ➤ Objective type
II	6	➤ Describe the Structure and functions of Cell membrane	<b>Structure and functions of Cell membrane</b> ➤ Fluid mosaic model tight junction, Cytoskeleton ➤ Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump ➤ Acid base balance-maintenance & diagnostic tests - PH buffers	Lecture discussion	➤ Short answer questions ➤ Objective type
III	12	➤ Explain the metabolism of carbohydrates	<b>Composition and metabolism of Carbohydrates</b> ➤ Types, structure, composition and uses - Monosaccharides, - Disaccharides, Polysaccharides, Oligosaccharides	Lecture discussion Demonstration of blood glucose monitoring	Short answer questions Objective type
			• Metabolism Pathways of glucose: - Glycolysis - Gluconeogenesis: Cori's		➤

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			cycle, Tricarboxylic acid (TCA) cycle - Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) Regulation of blood glucose level Investigations and their Interpretations		
IV	10	➤ Explain the metabolism of Lipids	<b>Composition and metabolism of Lipids</b> • Types, structure, composition and uses of fatty acids - Nomenclature, Roles and Prostaglandins • Metabolism of fatty acid - Breakdown - Synthesis • Metabolism of triacylglycerols • Cholesterol metabolism - Biosynthesis and its Regulation - Bile salts and bilirubin - Vitamin D - Steroid hormones • Lipoproteins and their functions: - VLDLs- IDLs, LDLs and HDLs - Transport of lipids - Atherosclerosis, Investigations and their interpretations	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
V	11	➤ Explain the metabolism of Amino acids and Proteins	<b>Composition and metabolism of Amino acids and Proteins</b> • Types, structure, composition and uses of Amino acids and Proteins • Metabolism of Amino acids and Proteins	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
			Protein synthesis, targeting and glycosylation - Chromatography - Electrophoresis		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Sequencing</li> <li>Metabolism of Nitrogen</li> <li>- Fixation and Assimilation</li> <li>- Urea Cycle</li> <li>- Hemes and chlorophylls</li> <li>Enzymes and co-enzymes</li> <li>- Classification</li> <li>Properties</li> <li>- Kinetics and inhibition</li> <li>- Control</li> <li>Investigations and their interpretations</li> </ul>		
VI	7	➤ Describe types, composition and utilization of Vitamins & minerals	<b>Composition of Vitamins and minerals</b> <ul style="list-style-type: none"> <li>• Vitamins and minerals:</li> <li>- Structure</li> <li>- Classification</li> <li>- Properties</li> <li>- Absorption</li> <li>- Storage &amp; transportation</li> <li>- Normal concentration</li> <li>Investigations and their interpretations</li> </ul>	Lecture Discussion Demonstrate laboratory tests	Short answer questions Objective type
VII	8	➤ Describe Immuno-chemistry	<b>Immuno chemistry</b> <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, Keratin, Myosin, Lens Protein.</li> <li>• Electrophoretic and Quantitative determination of immunoglobins — ELISA etc. Investigations and their interpretations</li> </ul>	Lecture Discussion Demonstrate laboratory tests	Short Answer questions Objective type

**Prescribed Internal Assessment Weightage:**

**Internal Assessment : Term Test - 15**

**Laboratory - 5**

**Assignment - 5**

# NURSING FOUNDATIONS

**Placement: First year**

**Time: Theory - 275 hours  
Practical - 750 hours  
(200 lab and 550 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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment met
I	10	Describe the concept of health, illness and health care agencies	<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 defences: 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 and Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care</li> <li>• Health care teams</li> <li>• Types of health care agencies:</li> <li>• Hospitals: Types, Organization Functions</li> <li>• Health Promotion and Levels of Disease Prevention</li> <li>• Primary health care and its delivery: Role of nurse</li> </ul>	Lecture discussion Visit to health care agencies	<ul style="list-style-type: none"> <li>➤ Essay type</li> <li>➤ Short answer questions</li> <li>➤ Objective typ</li> </ul>
II	16	<ul style="list-style-type: none"> <li>➤ Explain concept and scope of nursing</li> <li>➤ Describe values, code of ethics and professional conduct for nurses in India</li> </ul>	<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>• Definition, Concepts, philosophy, objectives</li> <li>• Characteristics, nature and scope of nursing practice</li> <li>• Functions of nurse</li> </ul> </li> <li>• Qualities of a nurse</li> <li>- Categories of nursing personnel</li> </ul>	Lecture discussion Case discussion Role plays	<ul style="list-style-type: none"> <li>➤ Essay type</li> <li>➤ Short answer</li> <li>➤ Objective typ</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment met
			<ul style="list-style-type: none"> <li>- Nursing as a Profession</li> <li>- History of Nursing in India</li> <li>Values: Definition, Types, Values</li> <li>Clarification and values in professional Nursing: Caring and Advocacy</li> <li>Ethics: <ul style="list-style-type: none"> <li>- Definition and Ethical Principles</li> <li>- Code of ethics and professional conduct for nurses</li> </ul> </li> </ul>		
III	4	<ul style="list-style-type: none"> <li>➤ Explain the admission and discharge procedure</li> <li>➤ Performs admission and discharge procedure</li> </ul>	<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>- Unit and its preparation</li> <li>- admission bed</li> <li>- Admission procedure</li> <li>- Special considerations</li> <li>- Medico-legal issues</li> <li>- Roles and Responsibilities of the nurse</li> </ul> </li> <li>• Discharge from the hospital <ul style="list-style-type: none"> <li>- Types: Planned discharge, LAMA and abscond, Referrals and transfers</li> <li>- Discharge Planning</li> <li>- Discharge procedure</li> <li>- Special considerations</li> <li>- Medico-legal issues</li> <li>- Roles and Responsibilities of the nurse</li> <li>- Care of the unit after discharge</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>discussion</li> <li>Demonstration</li> <li>Lab Practice</li> <li>Supervised</li> <li>Clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> <li>Assess skills with check list</li> <li>Clinical practical examination</li> </ul>
IV	10	Communicate effectively with patient, families and team member and maintain effective human	<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</li> <li>- Methods of Effective Communication,</li> <li>- Attending skills</li> </ul>	<ul style="list-style-type: none"> <li>Lecture</li> <li>discussion</li> <li>Role play and video film on the nurses interacting with the patient</li> <li>Practice session on patient</li> </ul>	<ul style="list-style-type: none"> <li>Essay type</li> <li>Short answers</li> <li>Objective type</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>relations (projecting professional image)            Appreciate the importance of patient teaching in nursing</p>	<p>- Rapport building skills            - Empathy skills            - Barriers to effective communication,            • Helping Relationships (NPR): Dimensions of Helping Relationships, Phases of a helping relationship            • Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly)            • Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process</p>	<p>teaching            Supervised            Clinical practice</p>	
V	17	<p>➤ Explain the concept, uses, format and steps of nursing process            ➤ Documents nursing process as per the format</p>	<p><b>The Nursing Process</b>            • Critical Thinking and Nursing Judgment            Critical Thinking: Thinking and Learning,            o Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing            • Nursing Process Overview: Application in Practice            o Nursing process format: INC, current format            o Assessment Collection of Data: Types, Sources, Methods            - Formulating Nursing judgment: Data interpretation            o Nursing diagnosis            - Identification of client problems            - Nursing diagnosis statement            • Difference between medical and nursing diagnosis            o Planning</p>	<p>• Lecture discussion            • Demonstration            • Exercise            • Supervised Clinical practice</p>	<p>Essay type            Short answers            Objective type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Establishing Priorities</li> <li>- Establishing Goals and Expected Outcomes,</li> <li>- Selection of interventions: Protocols and standing Orders</li> <li>- Writing the Nursing Care Plan Implementation</li> <li>— Implementing the plan of care Evaluation</li> <li>- Outcome of care</li> <li>- Review and modify Documentation and Reporting</li> </ul>		
VI	4	<ul style="list-style-type: none"> <li>➤ Describe the purposes, types and techniques of recording and reporting</li> </ul>	<p><b>Documentation and Reporting</b></p> <ul style="list-style-type: none"> <li>• Documentation: Purposes 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> <li>• Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, Organization, confidentiality</li> <li>• Methods of Recording,</li> <li>• Reporting: Change-of shift reports: Transfer reports, Incident reports</li> <li>• Minimizing legal Liability through effective record keeping</li> </ul>	Lecture discussion Demonstration Practice Session Supervised Clinical practice	Essay type Short answers Objective type
VII	17	<ul style="list-style-type: none"> <li>➤ Describe principles and techniques of monitoring and maintaining vital signs</li> <li>➤ Monitor and maintain vital signs</li> </ul>	<p><b>Vital signs</b></p> <ul style="list-style-type: none"> <li>• Guidelines for taking vita! signs:</li> <li>• Body temperature:               <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> </ul> </li> </ul>	Lecture Discussion Demonstration Practice Supervised Clinical practice	Essay type Short answers Objective type Assess with check list and clinical practical

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Temperature alterations: Heatstroke, Hypothermia Hot and cold applications Pulse:</li> <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: Respiration:</li> <li>- Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration</li> <li>- Assessment of respirations: technique, special considerations</li> <li>- Alterations in respiration Blood pressure:</li> <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 Recording of vital signs</li> </ul>		

VIII	30	<ul style="list-style-type: none"> <li>➤ Describe purpose and process of health assessment</li> <li>➤ Describe the health assessment each body system</li> <li>➤ Perform health assessment of each body system</li> </ul>	<p><b>Health assessment</b></p> <ul style="list-style-type: none"> <li>• Purposes</li> <li>• Process of Health assessment</li> <li>- Health history</li> <li>- Physical examination:</li> <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>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> <li>➤ Demonstration</li> <li>➤ Practice on simulators</li> <li>➤ Supervised Clinical practice</li> </ul>	<p>Essay type</p> <p>Short answers</p> <p>Objective Type</p>
IX	5	<ul style="list-style-type: none"> <li>➤ Identifies the various</li> </ul>	<p><b>Machinery, Equipment and linen</b></p>	<ul style="list-style-type: none"> <li>➤ Lecture discussion</li> </ul>	<ul style="list-style-type: none"> <li>➤ Essay type</li> <li>➤ Short</li> </ul>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>machinery, equipment and linen and their care</p>	<p>Types: Disposables and re-usables- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery            Introduction :            - Indent            - Maintenance            - Inventory</p>	<p>➤ Demonstration</p>	<p>answers            ➤ Objective type</p>
X	62	<p>➤ Describe the basic, physiological and psychosocial needs of patient            ➤ Describe the principles and techniques for meeting basic, Physiological and psychosocial needs of patient            ➤ Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient</p>	<p><b>Meeting needs of patient</b>            • Basic needs (Activities of daily living)            Providing safe and clean environment:            - Physical -environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control -            - Reduction of Physical hazards: fire, accidents            - Safety devices: Restraints, side rails, airways, trapez etc            - Role of nurse in providing safe and clean environment            Hygiene: -            - Factors Influencing Hygienic Practice            - Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose            • Assessment, Principles, Types, Equipments, Procedure, Special Considerations            - Patient environment: Room Equipment and linen,            • Making patient beds            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</p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Demonstration</li> <li>• Practice sessions</li> <li>• Supervised</li> <li>• Clinical practice</li> </ul>	<p>➤ Essay type            ➤ Short answers            ➤ Objective type            ➤ Assess with check list and clinical practical examination</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Sleep Disorders</li> <li>Nutrition: -</li> <li>- Importance</li> <li>- Factors affecting nutritional</li> <li>- Assessment of nutritional needs: Variables</li> <li>- Meeting Nutritional needs: Principles, equipments, procedure and special considerations</li> <li>-Oral</li> <li>- Enteral: Naso/ Orogastric, gastrostomy</li> <li>- Parenteral:</li> <li>- Urinary Elimination</li> <li>- Review of Physiology of Urine Elimination, Composition and characteristics of urine Factors Influencing Urination</li> <li>Alteration in Urinary Elimination</li> <li>Types and Collection of urine specimen: Observation, urine testing</li> <li>Facilitating urine elimination: assessment, types, equipments, procedures and special considerations</li> <li>- Providing urinal / bed pan <ul style="list-style-type: none"> <li>o Condom drainage</li> <li>o Perineal care</li> <li>o Catheterization</li> <li>o Care of urinary drainage</li> <li>o Care of urinary diversions</li> <li>o Bladder irrigation <ul style="list-style-type: none"> <li>▪ Bowel Elimination</li> </ul> </li> </ul> </li> <li>- Review of Physiology of Bowel Elimination, Composition and characteristics of faeces</li> <li>- Factors affecting Bowel elimination</li> <li>- Alteration in Bowel Elimination</li> <li>- Types and Collection of specimen of faeces: Observation</li> <li>- Facilitating bowel elimination: assessment,</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>equipments, procedures and special considerations</p> <p>Passing of Flatus tube</p> <p>Enemas</p> <p>Suppository</p> <p>Sitz bath</p> <p>Bowel wash</p> <p>Care of Ostomies</p> <p>Mobility and Immobility</p> <ul style="list-style-type: none"> <li>- Principles of Body Mechanics</li> <li>- Maintenance of normal body dignment and mobility</li> <li>- Factors affecting body Alignment and mobility</li> <li>- Hazards associated with immobility</li> <li>- Alteration in body Alignment and mobility</li> <li>- Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects</li> </ul> <p>Range of motion exercises o</p> <p>Maintaining body alignment:</p> <p>Positions</p> <p>Moving</p> <p>Lifting</p> <p>Transferring</p> <p>Walking</p> <p>Restraints</p> <ul style="list-style-type: none"> <li>- Oxygenation</li> <li>- Review of Cardiovascular and respiratory Physiology</li> <li>- Factors Affecting Oxygenation</li> <li>- Alterations in oxygenation</li> <li>- Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations</li> </ul> <p>Maintenance of patent airway</p> <p>Oxygen administration</p> <p>Suction</p> <p>Inhalations: dry and moist</p> <p>Chest physiotherapy and postural drainage</p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>Care of Chest drainage  Pulse oximetry  CPR- Basic life support  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, and Acid - Base Balances  Nursing interventions in Fluid, Electrolyte, and Acid  - Base imbalances: assessment, types, equipment, procedure and special considerations o Measuring fluid intake and output  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 intervention for psychosocial needs  - Assist with coping and adaptation  - Creating therapeutic environment  o Recreational and diversional therapies.</p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XI	22	Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings	<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>Nature of infection</li> <li>Chain of infection transmission</li> </ul> </li> <li>Defenses against infection: <ul style="list-style-type: none"> <li>natural and acquired</li> <li>Hospital acquired infection (Nosocomial infection)</li> </ul> </li> <li>• Concept of asepsis: medical asepsis, and surgical asepsis</li> <li>Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> <li>- Hand washing: simple, hand antisepsis and surgical antisepsis (scrub)</li> <li>- Isolation: source and protective</li> <li>- Personal protecting equipments: types, uses and technique of wearing and removing</li> <li>- Decontamination of equipment and unit</li> <li>- Transportation of infected patients</li> <li>- Standard safety precautions (Universal precautions)</li> <li>- Transmission based precautions</li> </ul> </li> <li>• Biomedical waste management: <ul style="list-style-type: none"> <li>- Importance</li> <li>- Types of hospital waste</li> <li>- Hazards associated with hospital waste</li> <li>- Decontamination of hospital waste</li> <li>- Segregation and Transportation and disposal</li> </ul> </li> </ul>	Lecture discussion Demonstration Practice session Supervised Clinical practice	
XII	42	Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within	<p><b>Admintration of Medications:</b></p> <ul style="list-style-type: none"> <li>• General <ul style="list-style-type: none"> <li>-Principles / consideration</li> <li>-Purposes of Medication</li> <li>-Principles: 5 rights; special consideration; Prescriptions;</li> </ul> </li> <li>Safety in Adminstering</li> </ul>		.Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>and between systems of measurements</p> <p>Administer drugs by the following routes-oral, Intra-dermal, Subcutaneous</p> <p>Intramuscular, Intra Venous topical, inhalation.</p> <p>Administer drugs by the following routes-oral, Intra-dermal, Subcutaneous</p> <p>Intramuscular, Intra Venous topical, inhalation</p>	<p>Medications and Medication Errors;</p> <ul style="list-style-type: none"> <li>-Drug Forms;</li> <li>-Routes of administration</li> <li>-Storage and maintenance of drugs and Nurses responsibility</li> <li>-Broad classification of drugs: <ul style="list-style-type: none"> <li>- Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions,</li> </ul> </li> <li>- Factors Influencing drug Actions,</li> <li>- Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions.</li> <li>- Converting Measurements Units: Conversion within one system, Conversion between systems, Dosage Calculation,</li> <li>- Terminologies and abbreviations used in prescriptions of medications</li> </ul> <p>Oral Drugs Administration: Oral, Sub lingual and Buccal: Equipment, procedure</p> <p>Parenteral</p> <ul style="list-style-type: none"> <li>- General principles: decontamination and disposal of syringes and needles</li> <li>- Types of parenteral therapies</li> <li>- Types of syringes, needles, canula, and infusion sets</li> <li>- Protection from Needle stick Injuries : Giving Medications with a safety syringes</li> <li>- Routes of parenteral therapies</li> <li>- Intra-dermal: purpose, site, equipment, procedure, special considerations</li> <li>- Subcutaneous: purpose, site, equipment, procedure, special considerations</li> <li>- Intramuscular: purpose, site, equipment, procedure, special</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>considerations</p> <ul style="list-style-type: none"> <li>- Intra Venous: purpose,site, equipment, procedure, special considerations</li> <li>- Advanced techniques: epidural, intra-theal, intra-osseous, intra-peritoneal, intra-plural, intra-arterial-</li> </ul> <p>Role of nurse</p> <p>Topical Administration: purposes, site, equipment, procedure, special considerations for</p> <p>Application to Skin</p> <p>Application to mucous membrane</p> <ul style="list-style-type: none"> <li>- Direct application of liquids-Gargle and swabbing the throat</li> <li>- Insertion of Drug into body cavity: Suppository, medicated packing in rectum/vagina</li> <li>- Instillations:, Ear, Eye, Nasal, Bladder, and Rectal</li> <li>- Irrigations: Eye, Ear, Bladder, Vaginal and Rectal</li> <li>- Spraying: Nose and throat</li> </ul> <p>Inhalation: Nasal, oral, endotracheal (steam, oxygen and medications) purposes, types, equipment, procedure, special considerations</p> <ul style="list-style-type: none"> <li>- Recording and reporting of medications administered</li> </ul>		
XIII	10	<p>Describe the pre and post operative care of patients</p> <p>Explain the process of wound healing</p> <p>Explain the principles and</p>	<p><b>Meeting needs of Peri operative patients</b></p> <ul style="list-style-type: none"> <li>• Definition and concept of Peri operative Nursing</li> </ul> <p>Preoperative Phase</p> <ul style="list-style-type: none"> <li>- Preparation of patient for surgery</li> </ul> <p>Intra-operative</p> <p>Operation theatre Set up and environment</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assess with check list and clinical practical</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		techniques of care Perform care of wounds	<ul style="list-style-type: none"> <li>- Role of nurse</li> <li>Postoperative Phase</li> <li>- Recovery unit</li> <li>- Post operative unit</li> <li>- Postoperative care,</li> <li>Wounds: types, Classifications, 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</li> <li>- Dressings, Suture Care,</li> <li>- Care of Drainage</li> <li>- Application of Bandages, Binders, Splints &amp; Slings</li> <li>- Heat and Cold Therapy</li> </ul>		examination
XIV	15	Explain care of patients having alterations in body functioning	<b>Meeting special needs of the patient</b> <ul style="list-style-type: none"> <li>• Care of patients having alteration in:               <ul style="list-style-type: none"> <li>- Temperature (hyper and hypothermia); Types, Assessment, Management</li> <li>- Sensorium (Unconsciousness); Assessment, Management</li> <li>- Urinary Elimination (retention and incontinence); Assessment, Management</li> <li>- Functioning of sensory organs: ( Visual &amp; hearing impairment)</li> <li>- Assessment of Self-Care ability</li> <li>- Communication Methods and special considerations</li> <li>- Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations</li> <li>- Mental state (mentally challenged), assessment of Self-Care ability;</li> <li>- Communication Methods and special considerations</li> <li>- Respiration (distress); Types, Assessment, Management</li> <li>Comfort - (Pain) - Nature, Types,</li> </ul> </li> </ul>	Lecture discussion Case discussions Supervised clinical practice	Essay type Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Factors influencing Pain, Coping, Assessment, Management; Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric – analysis		
XV	5	Explain care of terminally ill patient	<b>Care of Terminally ill patient</b> <ul style="list-style-type: none"> <li>• Concepts of Loss, Grief, grieving Process</li> <li>- Signs of clinical death</li> <li>- Care of dying patient: special considerations</li> <li>- Advance directives: euthanasia, will, dying declaration ,organ donation etc</li> <li>- Medico-legal issues</li> <li>- Care of dead body: equipment, procedure and care of unit</li> <li>- Autopsy</li> <li>- Embalming</li> </ul>	Lecture discussion Demonstration Case discussion / Role play Practice session Supervised Clinical practice	Essay type Short answers Objective Type
XVI	6	Explain the basic concepts of conceptual and theoretical models of nursing	<b>Professional Nursing concepts and practices</b> <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>	Lecture discussion	Essay type Short Answers

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***

# **Fundamentals of Nursing**

## **Recommended Books:**

1. Taylor – Fundamentals of Nursing, 2007, LWW
2. Kozier – Fundamentals of Nursing ,2007,Pearson
3. Potter – Basic Nursing ,2008,Elsevier
4. Lynn – Taylor’s Clinical Nursing Skills,2008,LWW

## **Reference Books:**

1. Craven – Fundamentals of Nursing ,2010,LWW
2. Potter – Fundamentals of Nursing ,2009,Elsevier’s
3. St John’s Ambulance – First AID, 2007,St John’s Ambulance Association.
4. LWW – Lippincott’s Nursing Procedure, 2008, LWW.
5. Jacob – Clinical Nursing Skills & Procedures ,2008,Jaypee
6. Carpenito – Understanding Nursing Process,2007,LWW



Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> <li>• Gives care as per the plan</li> </ul>		
		<p>Communicate effectively with patient, and team members and Maintain effective human relations Develops plan for patient teaching</p> <p>Prepare patient reports Presents reports</p> <p>Monitor vital signs</p> <p>Perform health assessment of each body system</p>	<p><b>Communication</b> Use verbal and non verbal communication techniques <b>Prepare a plan for patient teaching session</b></p> <p><b>Write patient report</b> Change-of shift reports Transfer reports Incident reports etc. Presents patient report</p> <p><b>Vital signs</b> • Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure</p> <p><b>Health assessment</b></p> <ol style="list-style-type: none"> <li>6. Health history taking</li> <li>7. Perform assessment: <ul style="list-style-type: none"> <li>- General</li> <li>- Body systems</li> </ul> </li> <li>8. Use various methods of physical examination</li> <li>9. Inspection, Palpation,</li> <li>10. Percussion, Auscultation,</li> <li>11. Olfaction</li> <li>12. Identification of system wise deviations</li> </ol>	<p>Role-plays in simulated situations on communication techniques-I Healthtalk-I</p> <p>Write nurses notes and present the patient report of 2-3 assigned patient</p> <p>Lab practice Measure Vital signs of assigned patient</p>	<p>Assess role plays with the checklist on communication techniques Assess health talk with the checklist Assessment of communication techniques by rating scale Assessment of performance with rating scale</p> <p>Assessment of each skill with checklist Completion of activity record</p>
		Provide basic nursing care to	<p><b>Prepare Patient's unit:</b></p> <ul style="list-style-type: none"> <li>▪ Prepare beds:</li> </ul>	Practice in lab & hospital	Assessment of each skill with

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		patients	<ul style="list-style-type: none"> <li>▪ Open, closed, occupied,</li> <li>▪ Operation, amputation,</li> <li>▪ Cardiac, fracture, burn, divided &amp; Fowlers bed</li> <li>▪ Pain assessment and provision for comfort</li> </ul> <p><b>Use comfort devices</b></p> <p><b>Hygienic care:</b></p> <ul style="list-style-type: none"> <li>▪ Oral hygiene:</li> <li>▪ Baths and care of pressure points</li> <li>▪ Hair wash, Pediculosis treatment</li> </ul> <p><b>Feeding:</b></p> <ul style="list-style-type: none"> <li>▪ Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding</li> <li>▪ Naso-gastric insertion, suction, and irrigation</li> </ul> <p><b>Assisting patient in urinary elimination</b></p> <ul style="list-style-type: none"> <li>▪ Provides urinal/bed pan</li> <li>▪ Condom drainage</li> <li>▪ Perineal care</li> <li>▪ Catheterization</li> <li>▪ Care of urinary drainage</li> </ul> <p><b>Bladder irrigation</b></p> <p><b>Assisting bowel Elimination:</b></p> <ul style="list-style-type: none"> <li>▪ Insertion of Flatus tube</li> <li>▪ Enemas</li> <li>▪ Insertion of Suppository</li> </ul> <p><b>Bowel wash</b></p> <p><b>Body Alignment and Mobility:</b></p> <ul style="list-style-type: none"> <li>▪ Range of motion exercises</li> <li>▪ Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone,</li> </ul>	Simulated exercise on CPR manikin	rating scale Completion of activity record

<b>Areas</b>	<b>Time (Hrs)</b>	<b>Objectives</b>	<b>Skills</b>	<b>Assignments</b>	<b>Assessment methods</b>
			Trendelenburg position		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> <li>▪ Assist patient in Moving, lifting, transferring, walking</li> <li>▪ Restraints</li> </ul>		
			<p><b>Oxygen administration</b></p> <p><b>Suctioning: oropharyngeal, nasopharyngeal</b></p> <p><b>Chest physiotherapy and postural drainage</b></p> <p><b>Care of Chest drainage</b></p> <p><b>CPR- Basic life support</b></p> <p><b>Intravenous therapy</b></p> <p><b>Blood and blood component therapy</b></p> <p><b>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</b></p> <p><b>Perform lab tests:</b></p> <ul style="list-style-type: none"> <li>▪ Urine: sugar, -albumin, acetone</li> <li>▪ Blood: sugar (with strip glucometer)</li> </ul> <p><b>Hot and cold applications: local and general Sitz bath</b></p> <p><b>Communicating and assisting with self-care of visually &amp; hearing impaired patients</b></p> <p><b>Communicating and assisting with self-care of mentally challenged/disturbed patients</b></p>		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<b>Recreational and diversional therapies</b>  <b>Caring of patient with alteration in sensorium</b>		
		<p>Perform infection control procedures</p> <p>Provide care to pre and post operative patients</p> <p>Perform procedures for care of wounds</p>	<b>Infection control</b> Perform following procedures: <ul style="list-style-type: none"> <li>▪ Hand washing techniques (Simple, hand antiseptics and surgical antiseptics (scrub))</li> <li>▪ Prepare isolation unit in lab/ward</li> <li>▪ Practice technique of wearing and removing Personal protective equipment (PPE)</li> <li>▪ Practice Standard safety precautions (Universal precautions)</li> </ul> <b>Decontamination of equipment and unit: -</b> Surgical asepsis: <ul style="list-style-type: none"> <li>▪ Sterilization</li> <li>▪ Handling sterilized equipment</li> <li>▪ Calculate strengths of lotions,</li> <li>▪ Prepare lotions</li> <li>▪ Care of articles</li> </ul> <b>Pre and post operative care:</b> <ul style="list-style-type: none"> <li>▪ Skin preparations for surgery: Local</li> <li>▪ Preparation of Post operative unit</li> <li>▪ Pre &amp; post operative teaching and counseling</li> <li>▪ Pre and post operative monitoring</li> <li>▪ Care of the wound</li> </ul>	Observation study -2 Department of Infection control & CSSD Visits CSSD write observation report Collection of samples for culture Do clinical posting in infection control department and write report Practice in lab/ward	Assess observation study with checklist Evaluate all procedures with checklist

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> <li>▪ Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, Splints &amp; Slings</li> <li>▪ Bandaging of various body parts</li> </ul>		
		<ul style="list-style-type: none"> <li>▪ Administer drugs</li> </ul>	<p><b>Administration of medications</b></p> <ul style="list-style-type: none"> <li>▪ Administer Medications in different forms and routes</li> <li>▪ Oral, Sub lingual and Buccal</li> <li>▪ Parenteral Intra-dermal, subcutaneous, Intramuscular etc.</li> <li>▪ Assist with Intra Venous medications</li> <li>▪ Drug measurements and dose calculations</li> <li>▪ Preparation of lotions and solutions</li> <li>▪ Administers topical applications</li> <li>▪ Insertion of drug into body cavity: Suppository &amp; medicated packing etc.</li> <li>▪ Instillation of medicines and spray into Ear, Eye, Nose and throat</li> <li>▪ Irrigations: Eye, Ear, Bladder, Vagina and Rectum</li> <li>▪ Inhalations: dry and moist</li> </ul>		
		<ul style="list-style-type: none"> <li>▪ Provide care to dying and dead</li> <li>▪ Counsel and support relatives</li> </ul>	<p><b>Care of dying patient</b></p> <ul style="list-style-type: none"> <li>▪ Caring and packing of dead body</li> <li>▪ Counseling and supporting grieving relatives</li> <li>▪ Terminal care of the unit</li> </ul>		

**Prescribed Internal Assessment Weightage:**

**NURSING FOUNDATIONS – PRACTICAL**

<i>Internal Assessment</i>	:	<i>Practical Examination</i>	-	25
		<i>Clinical Evaluation</i>	-	10
		<i>Procedural Demonstration</i>	-	5
		<i>Practical Record</i>	-	5
		<i>Observational Study</i>	-	5

# PSYCHOLOGY

**Placement: First year**

**Time: Theory - 80 hours**

**Course Description:**

This 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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe the history, scope and methods of psychology	<b>Introduction</b> <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>	Lecture discussion	Essay type Short answer
II	7	➤ Explain the biology of Human behaviour	<b>Biology of behaviour</b> <ul style="list-style-type: none"> <li>• Body mind relationship- modulation process in health and illness</li> <li>• Genetics and behaviour: Heredity and environment</li> <li>• Brain and behaviour: Nervous System,, Neurons and synapse,</li> <li>• Association 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_responses</li> </ul>	Lecture discussion	➤ Essay type ➤ Short answers
III	24	➤ Describe various cognitive processes and their applications	<b>Cognitive processes</b> <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</li> </ul>	Lecture Discussion  Psychometric assessment: Practice sessions	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			language and communication Intelligence: Meaning, classification, uses, theories Aptitude: Concept, types, Individual differences and variability Psychometric assessments of cognitive processes Alterations in cognitive processes Applications		
IV	12	➤ Describe motivation, emotions, stress, attitudes and their influence on behaviour	<b>Motivation and Emotional Processes:</b> • Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution • Emotions & stress Emotion: Definition, components, Changes in emotions, theories emotional adjustments, emotions in health and illness Stress: stressors, cycle, effect, adaptation & coping • Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes Attitudinal change • Psychometric assessments of emotions and attitudes • Alterations in emotions Applications	Lecture Discussion Role plays Case Discussion Demonstration	Essay type Short answers
V	9	Explain the concepts of personality and its influence on behaviour	<b>Personality</b> Definitions, topography, types, Theories Psychometric assessments of personality Alterations in personality Applications	Lecture discussion Demonstration	Essay type Short answers
VI	9	Describe psychology of people during the life cycle	<b>Developmental Psychology</b> • Psychology of people at different ages from infancy to old age • Psychology of vulnerable individuals- challenged, women, sick, etc Psychology of groups	Lecture Discussion Case Discussion	Essay type Short answers
VII	11	Describe the characteristics of Mentally healthy Person  Explain ego defence mechanisms	<b>Mental hygiene and mental Health</b> • Concepts of mental hygiene and mental health • Characteristics of mentally healthy person • Warning signs of poor mental health • Promotive and Preventive mental health-	Lecture Discussion Case Discussion Role play Demonstration	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			strategies and services • Ego Defence mechanisms and implications • Personal and social adjustments • Guidance and counseling • Role of nurse		
VIII	6	Explain the Psychological assessments and role of nurse	<b>Psychological assessment &amp; tests</b> • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment	Lecture Discussion Demonstration Practice sessions	Assessment of practice

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***

# MICROBIOLOGY

**Placement: First year**

**Time: Theory - 80hours**

**(Theory 60+ 20 lab)**

**Course Description:**

This course is designed to enable students to acquire understanding of fundamentals of Microbiology and identification of various micro-organisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		Explain concepts and principles of microbiology and their Importance nursing	<b>Introduction:</b> <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>	Lecture Discussion	Short answer questions Objective type
II	14	7	Describe structure, classification morphology and growth of bacteria Identify Micro-organisms	<b>General characteristics of Microbes</b> <ul style="list-style-type: none"> <li>• Structure and classification of Microbes</li> <li>• Morphological types</li> <li>• Size and form of bacteria</li> <li>• Motility</li> <li>• Colonization</li> <li>• Growth and nutrition of microbes</li> <li>• Temperature</li> <li>• Moisture</li> <li>• Blood and body fluids</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>	Lecture Discussion Demonstration	Short answer questions Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
III	14	2	Describe the methods of infection control Identify the role of nurse in hospital infection control programme	<b>Infection control</b> <ul style="list-style-type: none"> <li>• Infection: Sources, portals of entry and exit, transmission</li> <li>• Asepsis</li> <li>• Disinfection; Types and methods</li> <li>• Sterilization; Types and Methods</li> </ul> Chemotherapy and antibiotics <ul style="list-style-type: none"> <li>• Standard safety measures</li> </ul>	Lecture Discussion Demonstration Visits to CSSD Clinical practice	Short answers Objective type
				<ul style="list-style-type: none"> <li>• Biomedical waste management</li> <li>• Role of Nurse</li> <li>• Hospital acquired infection</li> <li>• Hospital infection control programme</li> </ul> Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc.		
IV	16	6	Describe the different disease producing organisms	<b>Pathogenic organisms</b> <ul style="list-style-type: none"> <li>• Micro-organisms</li> <li>- Cocci — gram positive and gram negative</li> <li>bacilli— gram positive and gram negative</li> <li>Spirochaete</li> <li>Mycoplasma</li> <li>Rickettsiae</li> <li>Chlamydiae</li> <li>• Viruses -</li> <li>• Fungi -Superficial and Deep mycoses</li> <li>• Parasites</li> <li>• Rodents &amp; vectors</li> </ul> Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms Collection, handling and transportation of various specimens	Lecture Discussion Demonstration	Short answer questions Objective type
V	11	5	Explain the	<b>Immunity</b>	Lecture	Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			concept of immunity, hyper sensitivity and immunization	<ul style="list-style-type: none"> <li>• Immunity-Types, classification</li> <li>• Antigen and antibody reaction</li> <li>• Hypersensitivity — skin test</li> <li>• Serological tests</li> <li>• Immunoprophylaxis</li> </ul> Vaccines & sera -Types & Classification, storage and handling, cold chain Immunization for various diseases -Immunization Schedule	Discussion Demonstration Clinical practice	Objective type

**Prescribed Internal Assessment Weightage:**

**MICROBIOLOGY**

**Internal Assessment : Term Test - 30**  
**Assignment - 20**

# INTRODUCTION TO COMPUTERS

**Placement: First year**

**Time: Theory - 55 hours**

**Practical – 20hours**

**Course Description:**

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		Identify & define various concepts used in computer identify application of computer in nursing	<b>Introduction:</b> <ul style="list-style-type: none"> <li>• Concepts of Computers</li> <li>• Hardware and software; trends and technology</li> <li>• Application of computers in nursing</li> </ul>	Lecture Discussion Demonstration	Short answers Objective type
II	15	10	Describe and Use the Disk Operating System Demonstrate skill in the use of MS Office	<ul style="list-style-type: none"> <li>• Introduction to disk-operating system DOS</li> <li>• Windows (all version)</li> <li>• Introduction u MS-Word</li> <li>MS-Excel with pictorial presentation</li> <li>MS-Access</li> <li>MS-Power point</li> </ul>	Lecture Discussion Demonstration Practice Session	Short answer questions Objective type Practical Exam
III	10	3	Demonstrate skill in using multi-media Identify features of computer aided teaching and testing	Multimedia; types & uses Computer aided teaching & testing.	Lecture Discussion Demonstration	Short answers Objective type Practical Exam and Viva Voce
IV	5	3	Demonstrate use of internet and Email	Use of Internet and: e-mail	Lecture Discussion Demonstration Practice Session	Short answers Objective type Practical Exam and Viva Voce
V	10	2	Describe and use the statistical packages	Statistical packages: types and their features	Lecture Discussion Demonstration Practice Session	Short answers Objective type Practical Exam and Viva Voce
VI	10	2	Describe the use of Hospital .Management System	Hospital Management System: Types and uses	Lecture Discussion Demonstration	Short answer questions Objective type Practical Exam and Viva Voce

***INTRODUCTION TO COMPUTERS 100 marks***

***Internal Examination : 100***

**References**

- 1.N.K.Anand & Shikha Goel ,Computers for Nurses, A.I.T.B.S. Publishers ,India.2009.
2. Thacker N Computers for Nurses, India. 2009

# SOCIOLOGY

**Placement: Second year**

**Theory- 80 Hours**

**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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	1	➤ State the importance of sociology in Nursing	Introduction ➤ Definition of Sociology ➤ Nature and Scope of the discipline ➤ Importance and application of Sociology in Nursing	➤ Lecture Discussion	➤ Essay type ➤ Short answers
II	3	➤ Describe the inter-relationship of individual in society and community	Individual & Society ➤ Society and Community ➤ Nature of Society ➤ Difference between Society and Community ➤ Process of Socialization and individualization ➤ Personal disorganization	➤ Lecture Discussion	➤ Essay type ➤ Short answers
III	5	➤ Describe the influence of culture and on health and disease	Culture • Nature of culture • Evolution of culture • Diversity and uniformity of culture • Culture and socialization • Transcultural society • Influence on health and disease	Lecture Discussion Panel Discussion	Essay type Short answers
IV	6	➤ Identify various social groups and their interactions	<b>Social groups and Processes</b> The meaning and classification of groups Primary & Secondary	Lecture Discussion	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Group In-group V/s. Out-group, Class Tribe, Caste Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes Co-operation, Competition, Conflict Accommodation, Assimilation & Isolation		
V	8	Explain the growth of population in India and its impact on health	<b>Population</b> <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 programmes</li> </ul>	Lecture Discussion Community identification	Essay type Short answers Assessment of report on community identification
VI	7	Describe the institutions of family and marriage in India	<b>Family and Marriage</b> <ul style="list-style-type: none"> <li>• Family- Functions</li> <li>• Types-Joint, Nuclear, Blended and extended family: Characteristics</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>	Lecture Discussion Family Case study	Essay type Short answers Assessment of family case study
VII	9	Describe the	<b>Social Stratification</b>	Lecture	Essay type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		class and caste system and their influence on health and health practices	<p><b>Meaning &amp; types of social stratification</b></p> <p>The Indian Caste System- origin &amp; features</p> <p>Features of Caste in India Today</p> <ul style="list-style-type: none"> <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>	<p>Discussion</p> <p>Community survey</p>	<p>Short answers</p> <p>Assessment of report on community survey</p>
VIII	8	Describe the types of communities in India, their practices and the impact on health	<p><b>Types of Communities in India</b></p> <p>(Rural, Urban and Regional)</p> <p>Features of village community&amp;</p> <p>Characteristics of Indian villages- Panchayat system, social dynamics</p> <p>Community Development project &amp; planning</p> <p>Changes in Indian Rural Life</p> <p>Availability of health facilities in rural and its impact on health and health practices</p> <p>Urban Communityfeatures</p> <p>The growth of cities: Urban isation and its impact on health and health practices</p> <p>Major Urban problems- Urban Slums</p> <p>Region: Problems and impact on Health</p>	<p>Lecture</p> <p>Discussion</p> <p>Visits to rural and urban community</p> <p>Community survey</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of report on community survey</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	6	Explain the process of Social Change	<b>Social Change</b> <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> </ul> Role of nurse-Change agents	Lecture Discussion	Essay type Short answers
X	6	Explain the process of Social Change	<b>Social organization and social system</b> <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> </ul> Inter-relationship of institutions	Lecture Discussion Observation visits	Essay type Short answers  Assessment of visit reports
XI	4	Explain the nature and process of social control	<b>Social Control</b> <ul style="list-style-type: none"> <li>• Nature and process of social control</li> <li>• Political, Legal, Religious, Educational, Economic,</li> </ul> Industrial and Technological systems, Norms & Values- Folkways & Mores Customs, Laws and Fashion Role of Nurse.	Lecture Discussion Community survey	Essay type Short answers  Assessment of report on community survey.
XII	17	Describe the role of the nurse in	<b>Social Problems</b> <ul style="list-style-type: none"> <li>• Social disorganization</li> </ul>	Lecture Discussion	Essay type Short

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment methods</b>
		dealing with social problems in India	<ul style="list-style-type: none"> <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, substance abuse, HI0V/AIDS.</li> <li>• Social Welfare programmes in India</li> </ul> Role of nurse	Institutional visits	Answers  Assessment of visit reports

**Prescribed Internal assessment weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***

# PHARMACOLOGY

Placement: Second year

Theory- 50 Hours

Course Description:

**Objectives: To enable the students to acquire understanding of Pharmacodynamics, Pharmacokinetics and Principles of Therapeutics and Nursing implications.**

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	8	Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration	<b>Introduction to pharmacology</b> <ul style="list-style-type: none"> <li>• Definitions</li> <li>• Sources</li> <li>• Terminology used</li> <li>• Types: Classification</li> <li>• Pharmacodynamics: Actions, therapeutic,</li> <li>• Adverse, toxic</li> <li>• Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion</li> <li>• Review: Routes and principles of administration of drugs</li> <li>• Indian pharmacopoeia: Legal issues</li> <li>• Rational use of drugs</li> <li>• Principles of therapeutics</li> </ul>	Lecture Discussion	Short answers Objective type
II	6	Explain chemotherapy of specific infections and infestations and nurse's responsibilities	<b>Chemotherapy</b> <ul style="list-style-type: none"> <li>• Pharmacology of commonly used;</li> <li>• Penicillin</li> <li>• Cephalosporins.</li> <li>• Aminoglycosides</li> <li>• Macrolide &amp; Broad Spectrum Antibiotics</li> <li>• Sulfonamides</li> <li>• Quinolones.</li> <li>• Antiamoebic</li> <li>• Antimalarials</li> <li>• Anthelmintics</li> <li>• Antiscabies agents</li> <li>• Antiviral &amp; anti-fungal agents.</li> </ul>	Lecture Discussion Drug study/presentation	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Antitubercular drugs</li> <li>• Anti leprosy drugs</li> <li>• Anticancer drugs</li> <li>• Immuno-suppressants</li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
III	2	Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities	<b>Pharmacology of commonly used antiseptics, disinfectants and insecticides</b> <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>	Lecture Discussion Drug study / presentation	Short answers Objective type
IV	2	Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities	Drugs acting on G.I. system <ul style="list-style-type: none"> <li>• Pharmacology of commonly used-               <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>- Anti diarrhoeals</li> <li>- Histamines</li> </ul> </li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study/presentation	Short answers Objective type
V	2	Describe Drugs used on Respiratory Systems and nurse's responsibilities	Drugs used on Respiratory Systems <ul style="list-style-type: none"> <li>• Pharmacology of commonly used-               <ul style="list-style-type: none"> <li>- Antiasthmatics</li> </ul> </li> </ul> Mucolytics Decongestants Expectorants Antitussives	Lecture Discussion Drug study/presentation	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Bronchodilators Broncho constrictors Antihistamines Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
VI	2	Describe Drugs used on Urinary System and nurse's responsibilities	<b>Drugs used on Urinary System</b> <b>Pharmacology of commonly used-</b> <ul style="list-style-type: none"> <li>• Diuretics and antidiuretics</li> <li>• Urinary antiseptics</li> <li>• Cholinergic and anticholinergics</li> <li>• Acidifiers and alkalizeis</li> <li>• Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</li> </ul>	Lecture Discussion Drug study/presentation	Short' answers Objective type
VII	4	Describe Drugs used in De-addiction, emergency, deficiency of vitamins & rminerals, poisoning, for immunization and immuno suppression and nurse's responsibilities	<b>Miscellaneous</b> <ul style="list-style-type: none"> <li>• Drugs used in de-addiction</li> <li>• Drugs used in CPR and emergency</li> <li>• Vitamins and minerals</li> <li>• Immunosuppressant</li> <li>• Antidotes</li> <li>• Antivenom</li> <li>• Vaccines and sera</li> </ul>	Lecture Discussion Drug study / presentation	Short answers Objective type
VIII	1	Describe Drugs used on skin and mucous membranes and nurse's responsi-	<b>Drugs used on skin and mucous membranes</b> <ul style="list-style-type: none"> <li>• Topical applications for skin, eye, ear, nose and buccal cavity</li> </ul> Antipruritics	Lecture Discussion, Drug study / presentation	Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		bilities	Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
IX	8	Describe Drugs used on Nervous System and nurses responsibilities	<b>Drugs acting on Nervous system</b> Basic & applied pharmacology of commonly used: /) Analgesics and Anaesthetics Analgesics - Non steroidal anti Inflammatory (NSAID) drugs Antipyretics Hypnotics and Sedatives - Opioids - Non-Opioids - Tranquilizers - General I & local anesthetics - Gases: oxygen, nitrous oxide, carbon dioxide Cholinergic and anti-cholinergic: Musclerelaxants Major tranquilizers Anti-psychotics Antidepressants Anticonvulsants. Adrenergics Noradrenergics Mood stabilizers Acetylcholine Stimulants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion, Drug study / Presentation	Short answers Objective type
X	5	Describe Drugs used on Cardio-vascular System and nurse's respons-	<b>Cardiovascular drugs</b> <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> </ul>	Lecture Discussion Drug study Presentation	Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		bilities	<ul style="list-style-type: none"> <li>• Plasma expanders</li> <li>• Coagulants &amp; anticoagulants</li> <li>• Antiplatelets &amp; thrombolytics</li> <li>• Hypolipidemics</li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity role of nurse		
XI	4	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<b>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</b> <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-progestrone preparations</li> <li>• Corticotrophine &amp; Gonadotropines</li> <li>• Adrenaline.</li> <li>• Prostaglandins -</li> <li>• Calcitonins</li> <li>• Calcium salts</li> <li>• Calcium regulators</li> </ul> Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study / presentation	Short answers Objective type
XII	6	Demonstrate awareness of the common drugs used in alternative system of medicine	<b>Introduction to Drugs used in alternative systems of medicine:</b> <ul style="list-style-type: none"> <li>• Ayurveda, Homeopathy, Unani and Siddha etc</li> </ul>	Lecture Discussion Observational Visits	Short answers Objective type

**Prescribed Internal assessment weightage:**

*Internal Assessment : Term Test - 15*  
*Assignment - 10*

# PATHOLOGY AND GENETICS

**Placement: Second year**

**Time: Theory — 60 hours**

**Section A- Pathology**

**Pathology: 40 hrs (Theory 30 and Practical 10)**

**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	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		Define the common terms used in pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system.	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Importance of the study of pathology</li> <li>• Definition of terms</li> <li>• Methods and techniques</li> <li>• Cellular and Tissue changes</li> <li>• Infiltration and regeneration</li> <li>• Inflammations and Infections</li> <li>• Wound healing</li> <li>• Vascular changes</li> <li>• Cellular growth, Neoplasms</li> <li>• Normal and Cancer cell</li> <li>• Benign and Malignant growths</li> <li>• In situ carcinoma</li> </ul> Disturbances of fluid and electrolyte imbalance.	Lecture Discussion Explain using Charts	Short answer questions Objective type
II	14	5	Explain Pathological changes in disease conditions of various systems	<b>Special pathology</b> <ul style="list-style-type: none"> <li>• Pathological changes in disease conditions of various systems:                             <ul style="list-style-type: none"> <li>• Respiratory tract</li> <li>- Tuberculosis, Bronchitis, Pleural effusion and pneumonia,</li> <li>- Lung abscess, emphysema, bronchiectasis, Bronchial asthma, Chronic obstructive Pulmonary disease &amp; tumours</li> </ul> </li> </ul>	Lecture Discussion Explain using Charts, slides, specimen, X-rays and Scans Visit to Pathology lab, endoscopy unit and OT	Short answer Objective type

Unit						

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				gliomas Metastatic tumour skeletal system Bone healing, osteoporosis, osteomyelitis Arthritis & tumours.		
III	6	3	Describe various laboratory tests in assessment and monitoring of disease conditions	<b>Clinical pathology</b> Various blood and bone marrow tests in assessment and monitoring of disease conditions Hemoglobin .RBC. White cell & platelet counts Bleeding time, clotting time and prothrombin time - Blood grouping and cross matching - Blood chemistry Blood culture - Serological and immunological tests - Other blood tests - Examination of Bone marrow - Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values	Lecture Discussion Demonstration Visit to Clinical Pathology & Biochemistry lab and Blood bank	Short answers Objective type
IV	4	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<b>Examination of body cavity fluids, transudates and exudates</b> The laboratory tests used in CSF analysis Examination of other body cavity fluids, transudates and exudates sputum, wound discharge etc • Analysis of gastric and duodenal contents Analysis of semen-sperm count, motility and morphology and their importance in infertility Methods of collection of CSF and other cavity fluids specimen	Lecture Discussion Demonstration	Short answers Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				for various clinical pathology, biochemistry, microbiology tests, inference and normal values		
V	1	1	Describe the laboratory tests for examination of Urine and faeces	<b>Urine and faeces</b> • Urine - Physical characteristics - Analysis Culture and sensitivity Faeces Characteristics Stool examination: occult blood, ova, parasite and cyst, reducing substance etc. Methods of collection for various tests, inference and normal values	Lecture Discussion Demonstration	Short answers Objective type

## Section- B Genetics

Placement: Second

Time: Theory — 20

hours

### Course Description:

This courses is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Explain nature, principles and perspectives of heredity	<b>Introduction:</b> <ul style="list-style-type: none"><li>• Practical application of genetics in Nursing</li><li>• Impact of genetic condition on families</li><li>• Review of cellular division mitosis and meiosis.</li><li>• Characteristics and structure of genes</li><li>• Chromosomes — sex determination</li><li>• Chromosomal aberrations Patterns of inheritance</li><li>Mendalian theory of inheritance</li><li>Multiple allots and blood groups</li><li>Sex linked inheritance</li><li>Mechanism of inheritance</li><li>Errors in transmission (Mutation)</li></ul>	Lecture Discussion Explain using charts, slides	Short answers Objective type
II	4	Explain Maternal, prenatal and genetic influences on development of defects and diseases	<b>Maternal, prenatal and genetic influences on development of defects and diseases</b> <ul style="list-style-type: none"><li>• Conditions affecting the mother: genetic and infections</li><li>• Consanguinity atopy</li><li>• Prenatal nutrition and food allergies.</li><li>• Maternal Age</li><li>• Maternal drug therapy</li><li>• Prenatal testing and diagnosis</li><li>• Effect of Radiation, drugs and chemicals</li><li>• Infertility</li><li>• Spontaneous abortion</li></ul>	Lecture Discussion Explain using charts, slides	Short answers Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Neural Tube Defects and the role of folic acid in lowering the risks Down syndrome (Trisomy 21)		
III	3	Explain the screening methods for genetic defects and diseases in neonates and children	<b>Genetic testing in the neonates and children</b> <ul style="list-style-type: none"> <li>• Screening for <ul style="list-style-type: none"> <li>- Congenital abnormalities</li> <li>- Developmental delay</li> <li>- Dysmorphism</li> </ul> </li> </ul>	Lecture Discussion Explain using charts, slides	Short Answers Objective type
IV	3	Identify genetic disorders in adolescents and adults	<b>Genetic conditions of adolescents and adults</b> <ul style="list-style-type: none"> <li>• Cancer genetics — Familial Cancer</li> <li>• Inborn errors of metabolism</li> <li>• Blood group alleles and haematological disorder</li> <li>• Genetic haemochromatosis</li> <li>• Huntington's disease</li> <li>• Mental illness</li> </ul>	Lecture Discussion Explain using charts, slides	Short answers Objective Type
V	6	Describe the role of nurse in genetic services and counselling	<b>Services related to Genetics</b> <ul style="list-style-type: none"> <li>• Genetic testing</li> <li>• Human genome project</li> <li>• Gene therapy</li> <li>• The Eugenics movement</li> <li>• Genetic Counselling</li> </ul> Legal and Ethical issues Role of nurse	Lecture Discussion	Short answers Objective Type

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 15***  
***Assignment - 10***

# MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I

**Placement: Second year**

**Theory - 210 Hours  
Practical - 800 hours**

**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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<p>Appreciate the trends in medical and surgical nursing.</p> <p>Describe the role of a nurse in caring for adult patient in hospital and community.</p> <p>Describe the concepts of Medical Surgical asepsis</p>	<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 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>- Outpatient department.</li> <li>- In-patient unit</li> <li>- Intensive care unit.</li> <li>- Home and Community settings</li> </ul> </li> </ul> <p>Introduction to Medical Surgical asepsis</p> <ul style="list-style-type: none"> <li>- Inflammation and Infection</li> <li>- Immunity</li> <li>- Wound healing</li> </ul> <p>Care of Surgical Patient</p> <ul style="list-style-type: none"> <li>-Pre-operative</li> <li>-Intra operative</li> <li>-Post Operative</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised clinical practice</p>	<p>Short answers</p> <p>Objective Type</p> <p>Assessment of skills with checklist</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
II	15	Describe the common signs, symptoms, problems and their Specific nursing interventions	<p><b>Common signs and symptoms and management</b></p> <ul style="list-style-type: none"> <li>• Fluid and electrolyte imbalance. <ul style="list-style-type: none"> <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> </li> </ul>	Lecture discussion Seminar Case discussion	Short answers Objective Typ
III	20	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems	<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, dietetics &amp; nursing management of adults including elderly with – Upper Respirator’ that infection Bronchitis Asthma Emphysema Empyema Atelectasis Chronic Obstructive Pulmonary Diseases (COPD) Bronchiectasis Pneumonia</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice book /presentation	Essay type Short answers Objective type Assessment of skills with che list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Pulmonary tuberculosis</li> <li>• Lung abscess</li> <li>• Pleural effusion</li> <li>• Cysts and Tumours</li> <li>• Chest injuries</li> <li>• Respiratory arrest and insufficiency</li> <li>• Pulmonary embolism special therapies, alternative therapies</li> </ul> Nursing procedures Drugs used in treatment of respiratory disorders		
IV	30	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems	<b>Nursing management of patient (adults including elderly) with disorders of digestive system</b> <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>• Oral cavity- lips, gums, and teeth</li> <li>• Oesophagus —inflammation? stricture, obstruction, bleeding and tumours</li> <li>• Stomach and deudenumhiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis</li> <li>• Small intestinal disorders inflammation and infection, entritis, malabsorption, obstruction, tumour and perforation</li> <li>• Large intestinal disorders- Colitis, inflammation and infection, obstruction and tumour and lump</li> </ul> </li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>Hernias</p> <ul style="list-style-type: none"> <li>• Appendix-inflammation, mass, abscess, rupture</li> <li>• Anal &amp; Rectum; hemorrhoids, fissures, Fistulas</li> <li>• Peritonitis/acute abdomen</li> </ul> <p>Pancreas; inflammation, cyst, abscess and tumours</p> <ul style="list-style-type: none"> <li>• Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours</li> </ul> <p>Gall Bladder; inflammation, obstruction, stones and tumours</p> <p>Special therapies, alternative therapies</p> <p>Nursing procedures Drugs used in treatment of disorders of digestive system</p>		
V	30	<p>Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems</p> <p>Describes the vascular conditions and its nursing management</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 manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of-</li> <li>• Vascular system <ul style="list-style-type: none"> <li>- Hypertension, Hypotension</li> <li>- Artherio sclerosis</li> <li>- Raynaud's disease</li> <li>- Aneurism and Peripheral vascular disorders</li> </ul> </li> </ul> <p>Heart</p> <ul style="list-style-type: none"> <li>• Coronary artery diseases</li> <li>• Ischemic Heart Disease</li> <li>• Cornory atherosclerosis</li> </ul>	<p>Lecture discussion</p> <p>Explain using Charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions / Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book /presentation</p> <p>Visit to blood bank</p> <p>Participation in blood donation camps</p> <p>Counseling</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Angina pectoris</li> <li>• Myocardial infarction</li> <li>• Valvular disorders of the heart               <ul style="list-style-type: none"> <li>- Congenital and acquired</li> <li>- Rheumatic Heart diseases</li> </ul> </li> <li>• Endocarditis, Pericarditis</li> <li>Myocarditis</li> <li>• Cardio Myopathies</li> <li>• Cardiac dysrhythmias, Heart Block</li> <li>• Congestive cardiac failure Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade</li> <li>• Cardiac emergencies and arrest</li> <li>• Cardio Pulmonary Resuscitation (CPR)</li> <li>• Blood</li> <li>• Anaemias</li> <li>• Polycythemia</li> <li>• Bleeding disorders; clotting factor defects and platelets defects</li> <li>• Thalassemia</li> <li>• Leukaemias</li> <li>• Leukopenias and agranulocytosis</li> <li>• Lymphomas</li> <li>• Myelomas</li> <li>• Special therapies</li> <li>• Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reactions:, records for blood transfusion.</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</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Role of a nurse in Organ donation, retrieval and banking</li> <li>Alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of blood and cardio vascular disorders</li> </ul>		
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<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- <ul style="list-style-type: none"> <li>• Nephritis</li> <li>• Nephrotic syndrome</li> <li>• Nephrosis</li> <li>• Renal calculus</li> <li>• Tumours</li> <li>• Acute renal failure</li> <li>• Chronic renal failure</li> <li>• End stage renal disease</li> <li>• Dialysis, renal transplant</li> <li>• Congenital disorders, urinary infections</li> <li>• Benign prostate hypertrophy.</li> <li>• Disorders of ureter, urinary bladder and urethra inflammation, infection, stricture, obstruction, tumour, prostrate</li> </ul> </li> <li>Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of genitourinary disorders.</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

VII	5	Describe the etiology, pathophysiology,	<b>Nursing Management of disorders of male(adults including elderly) reproductive system</b>	Lecture discussion Explain using	Essay type Short answers
		clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system	<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; Hypospadiasis</li> <li>• Alospadiasis, Epispadiasis</li> <li>• Infections</li> <li>• Testis and adjacent structures Penis</li> <li>• Prostate: inflammation, infection, hypertrophy, tumour</li> <li>• Sexual Dysfunction Infertility</li> <li>• Contraception</li> <li>• Breast; gynecomastia, tumour</li> <li>• Climacteric changes Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system.</li> </ul>	Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book / presentation	Objective type Assessment of skills with check list Assessment of patient management problem
VIII	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system	<b>Nursing management of patient(adults including elderly) with disorders of endocrine system</b> <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 &amp; nursing management of-</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Disorders of Thyroid and Parathyroid</li> <li>• Diabetes mellitus</li> <li>• Diabetes insipidus</li> <li>• Adrenal tumour</li> <li>• Pituitary disorders.</li> </ul> Special therapies, alternative' therapies Nursing procedures Drugs used in treatment of disorders of endocrine system.		
IX	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Skin	<b>Nursing management of patient (adults including elderly) with disorders of Integumentary system</b> <ul style="list-style-type: none"> <li>• Review of anatomy and physiology of Skin and its appendages</li> <li>• Nursing Assessment-History and Physical assessment</li> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics &amp; nursing management of disorders of skin and its appendages –</li> <li>• Lesions and abrasions</li> <li>• Infection and infestations; Dermatitis</li> <li>• Dermatoses; infect mis and Non infectious “inflammatory dermatoses”</li> <li>• Acne Vulgaris</li> <li>• Allergies and Eczema</li> <li>• Psoriasis</li> <li>• Malignant melanoma</li> <li>• Alopecia</li> </ul> Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Integumentary system.	Lecture discussion Explain using Charts. graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Drug book / presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
X	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system	<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 &amp; nursing management of -</li> <li>• Disorders of: <ul style="list-style-type: none"> <li>• Muscles, Ligaments and Joints - inflammation, infection, trauma</li> <li>• Bones-inflammation, infection, dislocation, fracture, tumour and trauma</li> <li>• Osteomalacia and osteoporosis</li> <li>• Arthritis</li> <li>• Congenital deformities</li> <li>• Spinal column- defects and deformities, Tumor, Prolapsed inter vertebral disc, pott's spine</li> </ul> </li> <li>• Paget's disease</li> <li>• Amputation</li> <li>• Prosthesis</li> <li>• Transplant &amp; replacement surgeries</li> <li>• Rehabilitation.</li> <li>• Special therapies, alternative therapies</li> <li>• Nursing procedures</li> <li>• Drugs used in treatment of disorders of musculoskeletal system.</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
XI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic	<p><b>Nursing management of patient (adults 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> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type Assessment

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		measures and management of patients (adults including elderly) with disorders of Immunological system	<ul style="list-style-type: none"> <li>• Etiology, Pathophysiology, clinical manifestations, diagnosis. treatment modalities and medical, surgical, dietetics &amp; nursing management of-</li> <li>• Immunodeficiency disorder.</li> <li>• Primary immuno deficiency.</li> <li>• Phagocytic dysfunction B-cell and T-cell deficiencies</li> <li>• Secondary immunodeficiencies</li> <li>Acquired immunodeficiency syndrome (AIDS)</li> <li>• Incidence of HIV &amp; AIDS</li> <li>Epidemiology</li> <li>Transmission-Prevention of Transmission</li> <li>• Standard Safety precautions</li> <li>• 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. Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of disorders of immune logical system.</li> </ul>	Demonstration Practice session Case Discussions/Seminar Health education Supervised clinical practice Drug hook /presentation Orientation visit to Hospital Control system	of skills with check list Assessment of patient management problem
XII	20	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases.	<b>Nursing management of patient (adults including elderly) with Communicable Diseases</b> <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 Diseases</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient Management Problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Tuberculosis</li> <li>• diarrhoeal diseases</li> <li>hepatitis A - E</li> <li>• herpes</li> <li>• chickenpox</li> <li>• smallpox</li> <li>• typhoid</li> <li>• meningitis</li> <li>• gas gangrene</li> <li>• leprosy.</li> <li>• Dengue</li> <li>• Plague</li> <li>• Malaria</li> <li>• Diphtheria</li> <li>• Pertussis</li> <li>• Poliomyelitis</li> <li>• Measles</li> <li>• Mumps</li> <li>• Influenza</li> <li>• Tetanus</li> <li>• Yellow fever</li> <li>• Filariasis</li> <li>• HIV, AIDS</li> <li>• Reproductive Tract Infections</li> <li>• Special infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals</li> <li>Special therapies, alternative therapies</li> <li>Nursing procedures</li> <li>Drugs used in treatment of Communicable diseases.</li> </ul>	Supervised clinical practice Drug book /presentation	problem
XIII	20	Describe the Organization and physical set up of operation theatre Identify the various instruments and equipments used for	<b>Peri operative nursing:</b> <ul style="list-style-type: none"> <li>• Organization and Physical set up of the Operation Theatre (OT):</li> <li>- Classifications</li> <li>- O.T. DESIGN</li> <li>- Staffing</li> <li>- Members of the OT team.</li> <li>- Duties and responsibilities of nurse in O.T.</li> <li>- Principles of Health and operating room attire.</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>used for common surgical procedures</p> <p>Describe the infection control measures in the Operation theatre</p> <p>Describe the role of the nurse in the Pen Operative nursing care</p>	<ul style="list-style-type: none"> <li>• Instruments,</li> <li>• Sutures and suture materials</li> <li>• Equipments</li> <li>• O.T. tables and sets for common surgical procedures</li> <li>• Positions and draping for common surgical procedures</li> <li>• Scrubbing procedures</li> <li>• Gowning and gloving</li> <li>• Preparation of O.T. Sets</li> <li>• Monitoring the patient during surgical procedures</li> <li>• Maintenance of therapeutic environment in O.T.</li> <li>• Standard Safety measures</li> </ul> <p>Infection control; fumigation, disinfection and sterilization</p> <p>Biomedical waste management</p> <ul style="list-style-type: none"> <li>• Prevention of accidents and hazards in O.T</li> <li>• Anaesthesia</li> <li>• Types</li> <li>• Methods of administration</li> </ul> <p>Effects and Stages</p> <ul style="list-style-type: none"> <li>• Equipments</li> <li>• Drugs</li> <li>• Cardio Pulmonary Resuscitation (CPR)</li> <li>• Pain management techniques</li> <li>• Legal Aspects</li> </ul>		

**Prescribed Internal assessment weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***

## **Medical Surgical Nursing**

### **Recommended Books:**

Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010,LWW

Black – Medical Surgical Nursing,2009,Elsevier

Lewis – Medical Surgical Nursing,2008,Elsevier

### **Reference Books:**

Davidson's Principles & Practice of Medicine, 2010, Elsevier

Bailey & Love Short Practice of Surgery,2008,Hodder Arnold

Timby – Introductory Medical Surgical Nursing, 2009,WK

Das – Textbook of Surgery, SD Publishers

Woods – Cardiac Nursing ,2010,LWW

Hickey – Neurologic & Neurosurgical Nursing,2009,LWW

Morton – Critical Care Nursing,2009,LWW

Thelan's Critical care Nursing,2008,Elsevier

Spring House – Medical Surgical Nursing Made Incredibly Easy,2008,LWW

Gulanick – Nursing care Plans,2008,Elsevier

Carpenito – Nursing Care Plans & Documentation

Carlpenito – Nursing Diagnosis ,2009,LWW

Webber – Health assessment In Nursing ,2010,WK

Nettina – Lippincott manual of Nursing Practice,2009,LWW

## Medical Surgical Nursing (Adult including Geriatrics) - I Practical

Placement: Second year

Time: 800 hours

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)	180 hrs	Provide nursing care to adult patients with medical disorders Counsel and educate patients and families	<ul style="list-style-type: none"> <li>• Assessment of the patient</li> <li>Taking history</li> <li>Perform general and specific physical examination.</li> <li>Identify alterations and deviations</li> <li>• Practice medical surgical asepsis- Standard safety measures</li> <li>• Administer medications Oral, IV, IM, Subcutaneous</li> <li>• IV therapy</li> <li>IV canulation</li> <li>Maintenance and monitoring</li> <li>• Oxygen therapy by different methods</li> <li>• Nebulization</li> <li>• Chest physio therapy</li> <li>• Naso gastric feeding</li> <li>• Assist in common diagnostic</li> <li>• Perform Assist in therapeutic procedures</li> <li>• Blood and component therapy</li> <li>• Throat Suctioning</li> <li>• Collect specimens for common investigations.</li> <li>Maintain elimination</li> <li>Caricaturisation</li> <li>Bowel wash</li> </ul>	Plan and give care to 3-4 assigned patients Nursing care plan-2 Nursing case study! presentation-I Drug presentation- I Maintain drug book Maintain Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study! presentation Completion of practical record.

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			Enema Urinary drainage • Maintain Intake, output and documentation • Counsel and teach related to specific disease conditions		
General Surgical Ward (GI, Urinary, CTVS)	180 hrs	Provide pre and post operative nursing care to adult patients with surgical disorders Counsel and educate patients and families	• Practice medical surgical asepsis- Standard safety measures • Pre operative preparation of patients • Post operative care — Receiving Pt, assessment, monitoring, care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care Gastrostomy Colostomy Enterostomy • Blood and component therapy • Practice universal precautions	Plan and give care to 3-4 assigned patients Nursing care plan - 2 Nursing case study! presentation - I Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study! presentation Completion activity reco
Cardiology ward	150 hrs	Provide nursing care to patients with cardiac disorders Counsel and educate patients and families	Physical examination of the cardio vascular system Recording and interpreting ECG Monitoring of patients Preparation and assisting in non-invasive and invasive diagnostic procedures. Administer cardiac drugs Cardio pulmonary Resuscitation	Plan and give care to 2-3 assigned patients Nursing care plan - I Nursing case study! Presentation Health talk - I Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study! Presentation health talk
			.Teach patients and families Practice medical and surgical asepsis Standard safety measures		Completion activity reco
Skin & Commu	30 hrs	Identify skin problems	Assessment of patients with skin disorders	Plan and give care to 2-3 assigned patients	Assess performance

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Infectious diseases Ward		Provide nursing care to patients with Skin disorders & Communicable diseases Counsel and educate patients and families	Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis - Standard safety measures Use of personal protective equipment (PPE) Give Medicated baths Counseling HIV positive patients Teach prevention of infectious diseases.	Health talk Counseling HIV positive patients and families -1 Maintain drug book	with rating scale Evaluation of health talk/Counseling session Completion of activity record
Orthopaedic ward	80 hrs	Provide nursing care to patients with musculo skeletal disorders Counsel and educate patients and families	Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction- buck's extension traction. Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel patients and families	Plan and give care to 2-3 assigned patients Nursing care plan—I Nursing case study! presentation - 1 Maintain drug book	Assess performance with rating scale Evaluation of Nursing care plan and Nursing case study! presentation Completion of activity record
Operation Theatre	180 hrs	Identify instruments used in common operations Participate in Infection control practice in the Operation Theatre Set-up the table/trolleys for common	Scrubbing, gowning, gloving Identify instruments, suturing materials for common operations Disinfection, Carbolization, fumigation Preparation of instrument sets for common operations Sterilization of sharps and other instruments Prepare the OT table	Assist as a circulatory nurse in Major cases — 10 Minor cases-5 Assist as a scrub nurse in Major cases-10 Minor cases-5. Maintain drug book	Assess performance with rating scale Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		operative procedures Assist in giving anesthesia Assist in the operative procedures Provide post operative nursing care	depending upon the operation Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operations. Handling specimens Disposal of waste as per the guidelines		

### Internship

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
ICU, CCU, CARDIAC OT.	2	To gain proficiency in ICU nursing Develop advanced skill in special procedures used in critical care unit. Identify potential problems and provide accordingly. Skill in setting and handling ventilator	Assist in arterial puncture for blood gas analysis. Perform ECG and interpret accordingly. Conduct and analysis pulse oximetry. Care with artificial airway. Assist in endotracheal intubation. Setting up ventilator, Giving care in ventilator.	Arterial puncture-5 Taking out ECG stripe-5 Tracheal suction-5 For all assigned patients. Oxygen administration by CPAP mask and use Ambu bag. Assessment for all assigned patients	Record book Checking with supervisor.
		Administer injection in infusion pump. Record accurately findings and medications. Develop IPR with family members. Acquaint with OT technique.	Drug sheet. Observation of special procedure in OT.	Nursing care of Ventilator patients Drug sheet.	
Neuro ICU, ITU, OT	2	Develop skill in neurological assessment: Give care to the	Assess neurological status. Implement care to head injury spinal injury patients.	Assessment for all assigned patients. Nursing care plan-2	Record book Observation Checklist

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		Pt with head injury and spinal injury. Care with chest surgery and Cranial surgery.	Drug sheet. Pre and postoperative care with neuro surgery patients.	Drug sheet	
Burns and plastic Reconstructive surgery	2	Assess the severity of burns. Administer rehydration therapy. Observe reconstructive surgery.	Nursing care		
OT LaproscoPIC Orthopaedic Eye ENT	3	Identify instruments Assist in OT set Up Supervise sterilization. Assist in OT table lay out. Observe immediately after operation. Supervise infection control.		Assist —5 cases.	Record book

**Prescribed Internal assessment weightage:**

<b><i>Internal Assessment</i></b>	<b><i>: Practical Examination</i></b>	<b><i>- 25</i></b>
	<b><i>Clinical Evaluation</i></b>	<b><i>- 10</i></b>
	<b><i>Care Study</i></b>	<b><i>- 5</i></b>
	<b><i>Practical Record</i></b>	<b><i>- 5</i></b>
	<b><i>Observational Visit</i></b>	<b><i>- 5</i></b>

## Community Health Nursing - I

**Placement: Second year**

**Theory - 100 Hours  
Practical -160 hours**

**Course description:**

This course is designed for students to appreciate the principles of prevention, promotion and maintenance of health for individuals, families and community.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe concept and dimensions of health	Introduction <ul style="list-style-type: none"> <li>•community health nursing definition, concept and dimensions of health</li> <li>emotion of health</li> <li>Measurement of health &amp;diseases , vital statistics                             <ul style="list-style-type: none"> <li>▪ Maintenance of health</li> </ul> </li> </ul>	Lecture discussion	Short answers
II	20	Describe determinants of health	<b>Determinants of health</b> <ul style="list-style-type: none"> <li>• Eugenics</li> <li>• Environment: Physical: Air, light, ventilation, Water, Housing, Sanitation; disposal of waste disposal of dead bodies, Forestation, Noise, Climate, communication infrastructure facilities arid Linkages</li> <li><b>Acts regulating the environment:</b> National Pollution control board</li> <li><b>Bacterial &amp; viral:</b> Agents, host carriers and immunity Arthropods and Rodents ,</li> <li><b>Food hygiene:</b> Production, Preservation, Purchase, preparation, consumption Acts regulating food hygiene- Prevention of food adulteration act, Drugs and cosmetic act Sociocultural Customs,taboos “Marriage system family structure of Status of special</li> </ul>	Lecture discussion Explain using Charts, graphs, Models, films, slides Visits to water supply, sewage disposal milk plant house etc	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			groups; Females, Children, Elderly, challenged groups and Sick persons Life Style Hygiene Physical activity Recreation and sleep Sexual life Spiritual life philosophy Dietary pattern Education Occupation Financial Management Income Budget Purchasing power Security.		
III	13	Describe concept, scope, uses methods and approaches of epidemiology	<b>Epidemiology</b> Definition<concept, aims, scope, uses and terminology used in epidemiology Epidemiological investigation International classification of diseases. Medical entomology Dynamics of disease transmission: epidemiological triad 17 . Morbidity and mortality: measurements Levels of prevention Methods of epidemiology of Descriptive Analytical: Epidemic investigation o Experimental	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers
IV	30	Describe Epidemiology and nursing: management of common Communicable Diseases	<b>Epidemiology and nursing management of common Communicable Diseases</b> ❖ Respiratory infections Small Pox <ul style="list-style-type: none"> <li>• Chicken Pox</li> <li>• Measles</li> <li>• influenza</li> <li>• Rubella</li> <li>• ARI's &amp; Pneumonia</li> <li>• Mumps</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Seminar Supervised field practice-health centers, clinics and homes . Group projects Health education	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Whooping cough</li> <li>• Meningococcal meningitis u.</li> <li>• Tuberculosis</li> <li>• SARS</li> </ul>		
			Intestinal Infections Poliomyelitis Viral Hepatitis Cholera Diarrhoeal diseases Typhoid Fever Food poisoning Amoebiasis Hook worm infection Ascariasis Dracunculiasis Arthropod infections Dengue Malaria Filariasis Zoonoses Viral Rabies Yellow fever Japanese encephalitis <ul style="list-style-type: none"> <li>• Kyasnur Forest Disease</li> <li>• Bacterial</li> <li>• Brucellosis</li> <li>• Plague</li> <li>• Human Salmonellosis</li> <li>• Anthrax</li> <li>• Leptospirosis</li> <li>• Rickettsial diseases</li> <li>• U Rickettsial Zoonoses</li> <li>• Scrub typhus</li> <li>• Murine typhus.</li> <li>• Tick typhus</li> <li>• fever</li> <li>• Parasitic zoonoses</li> <li>• Taeniasis</li> <li>• Hydatid disease</li> <li>• Leishmaniasis</li> <li>• Surface infection</li> <li>• Trachoma</li> <li>• Tetanus</li> <li>• Leprosy</li> <li>• STD &amp; RTI</li> <li>• Yaws</li> </ul> HIV/AIDS		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Any other		
V	12	Describe Epidemiology and nursing management of common Non communicable diseases	<b>Epidemiology and Nursing management of Non communicable diseases</b> Malnutrition: under nutrition, over nutrition, nutritional deficiencies Anaemia Hypertension Stroke Rheumatic.Heart Disease Coronary Heart Disease Cancer Diabetes mellitus Blindness Accidents Mental illness Obesity Iodine Deficiency Fluorosis Epilepsy	Seminar Supervised field practice-health centers, clinics and homes Group projects! Health education Lecture discussion. Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type
VI	6	Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation' of demographic data	<b>Demography</b> <ul style="list-style-type: none"> <li>• Definition, concept and scope</li> <li>• Methods of collection, analysis and interpretation of demographic data</li> <li>• Demographic rates and ratios</li> </ul>	Lecture discussion Community identification survey	Essay type Short answers Objective type Assessment of Survey report
VII	17	Identify the impact of population explosion in India Describe methods of population control	<b>Population and its control</b> <ul style="list-style-type: none"> <li>• Population explosion and its impact on social, economic development of individual, society ad country</li> <li>• Population control:                Overall development:                Women empowerment, social, economic and educational development                Limiting family size:                Promotion of small family norm                Methods: spacing (natural, biological, chemical, mechanical methods etc)                Terminal: surgical methods             </li> </ul>	Lecture discussion Population survey Counseling Demonstration Practice session Supervised field practice	Essay type Short answers Objective type Assessment of Survey report

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment methods</b>
			Emergency contraception		

***Prescribed Internal Assessment Weightage:***

***Internal Assessment : Term Test - 30***  
***Assignment - 20***

# Community Health Nursing I – Practical

Placement: Second year

Time: 160 hours

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Community health nursing	Urban– 60 hrs Rural–100 hrs	<ul style="list-style-type: none"> <li>• Build and Maintain rapport</li> <li>• Identify demographic characteristics, health determinants and community health resources</li> <li>• Diagnose health needs of individual and families</li> <li>• Provide primary care in health centre</li> <li>• Counsel and educate individual, family and community</li> </ul>	<ul style="list-style-type: none"> <li>• Use Techniques of interpersonal relationship</li> <li>• Identification of health determinants of community</li> <li>• History taking</li> <li>• Physical examination</li> <li>• Collect specimens- sputum, 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>Nutrition</li> <li>Hygiene</li> <li>Self health monitoring</li> <li>Seeking health services</li> <li>Healthy life style</li> <li>Family welfare methods</li> <li>Health promotion</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• To work with 2 assigned families each in urban and rural /</li> <li>• Family Study</li> <li>• Observation report of community -1</li> <li>• Health talks 2 (1 in urban and in rural)</li> </ul>	<ul style="list-style-type: none"> <li>• Assess clinical performance with rating scale</li> <li>• Assess each skill with checklist</li> <li>• Evaluation of family study, observation report and health talk</li> <li>• Completion of activity record.</li> </ul>

## *Prescribed Internal Assessment Weightage*

<i>Practical Internal Assessment</i>	<i>:Practical Examination</i>	<i>25</i>
	<i>Clinical Evaluation</i>	<i>10</i>
	<i>Family Care study</i>	<i>5</i>
	<i>Practical Record</i>	<i>5</i>
	<i>Field Visit</i>	<i>5</i>

# Communication & Educational Technology

Placement: Second year

Hours – 100 hrs

Theory - 70 Hours

Practice Teaching - 30 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	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	6		<ul style="list-style-type: none"> <li>➤ Describe the communication process</li> <li>identify techniques of effective communication</li> </ul>	<b>Review of Communication Process</b> Process; elements And channel Facilitators Barriers and methods of overcoming Techniques	<ul style="list-style-type: none"> <li>➤ Lecture Discussion</li> <li>➤ Role plays</li> <li>➤ Exercises with audio/video tapes</li> </ul>	<ul style="list-style-type: none"> <li>➤ Respond to critical incidents</li> <li>➤ Short answers</li> <li>➤ Objective type</li> </ul>
II	6		<ul style="list-style-type: none"> <li>➤ Establish effective inter-personal relations with patients, families &amp; co-workers</li> </ul>	<b>Interpersonal relations</b> Purpose & types Phases Barriers & methods of overcoming Johari Window	Lecture Discussion Role Plays Exercises with audio/video tapes Process recording	Short Answer Objective type
III	6		<ul style="list-style-type: none"> <li>➤ Develop effective human relations in context of nursing</li> </ul>	<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> </ul> Team work	Lecture Discussion Sociometry Group games Psychometric exercise followed by discussion	Short Answer Objective type Respond to test based on critical incidents

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
IV	12	5	➤ Develop basic skill of counseling and guidance	<b>Guidance &amp; counseling</b> Definition Purpose, scope and need Basic principles Organization of counseling services Types of counseling approaches Role and preparation of counselor Issues for counseling in nursing: students and practitioners Counseling process — steps & techniques, tools of counselor Managing disciplinary problems Management of crisis & referral	Lecture Discussion Role play on counseling in different situations followed by discussion	Short Answer Objective type Assess performance in role play situations
V	6		Describe the philosophy & principles of Education Explain the teaching learning process	<b>Principles of education &amp; teaching learning process</b> <ul style="list-style-type: none"> <li>• Education: meaning, philosophy, aims, functions &amp; principles</li> <li>• Nature and Characteristics of learn</li> <li>• Principles and maxims of teaching,</li> <li>• Formulating objectives; general and specific</li> <li>• Lesson planning</li> <li>• Classroom management</li> </ul>	Lecture. Discussion Prepare lesson plan Micro teaching Exercise on writing Objectives	Short Answer Objective type Assess lesson plans & teaching sessions
VI	11	10	Demonstrate	<b>Methods of teaching</b>	Lecture Discussion	Short Answer

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			teaching skill using various teaching methods in clinical, classroom and community settings	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. • Clinical teaching methods: case method, nursing round & reports, bedside clinic, conference (individual & group) process recording.	Conduct 5 teaching sessions using different methods & media	Objective type Assess teaching sessions
VII	11	8	Prepare and use different type of educational media effectively	<b>Educational Media</b> Purposes and types of A.V. Aids, Principles & Sources etc., Graphic aids: chalk board, chart, graphs, posters, flash cards, flannel graph, bulletin, cartoon. 3 Dimensional Aids: Objects, Specimens, Models, Puppets Printed Aids: Pamphlets & leaflets. Projected Aids: Slides, OHP, Films, TV, VCR/ VCD, Camera, Microscope, LCD. Audio Aids: Tape recorder, public address system. Computer	Lecture, discussions, Demonstration Prepare different teaching aids- Projected and non-projected.	Short answers Objective Type Assess the teaching aids prepared.
VIII	6	7	Prepare different	<b>Assessment:</b>	Lecture, Discussions,	Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			types of questions for assessment of knowledge, skills and attitudes	Purpose and scope of evaluation and assessment Criteria for selection of assessment techniques and methods Assessment of knowledge: Essay type questions Short answer questions (SAQ). Multiple Choice Questions (MCQ). Assessment of skills: Observation Check List, Practical Exam, Viva, Objective Structured clinical examination (OSCE) Assessment of attitude: Attitude scales.	Exercise on writing different types of assessment tools.	Objective types Assess the strategies used in practice teaching sessions and exercise sessions
IX	6		Teach individuals, groups and communities about health with their active participation	<b>Information, Education &amp; communication for health (IEC)</b> o Health behaviour & health education Planning for health education Health education with individuals, groups & communities Communicating health messages Methods & media for communicating health messages Using mass media	Lecture Discussion Plan & conduct health education, sessions for individuals, group & communities	Short Answer Objective type Assess the planning & conduct of the educational session

***Prescribed Internal Assessment Weightage:***

<b><i>Internal Assessment</i></b>	<b><i>: Term Test</i></b>	<b><i>- 30</i></b>
	<b><i>Practice Teaching/Assignment</i></b>	<b><i>- 20</i></b>

**Nursing Education**

**Recommended Books:**

1. Sankar Narayanan – Education & Communication Technology, 2007, Brainfill
2. Young – Teaching Nursing, 2008, LWW
3. Neeraja – Nursing Education, 2008, Jaypee

**Reference Books:-**

1. Bosek – Ethical Component of Nursing Education , LWW
2. Mariner – Teaching Nursing ,2008,Elsevier
3. Smith - The Legal, Professional and Ethical Dimensions of Higher Education,Kluwer in
4. Keating – Curriculum Development Nursing ,WoltersKluwer.

## Medical Surgical Nursing (Adult including Geriatrics) II

**Placement: Third year**

**Time: Theory - 120 hours  
Practical - 270hours**

**Course Description:**

**Internship-430**

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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat	<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:</li> <li>➤ External ear: deformities otalgia, foreign bodies, and tumours</li> <li>➤ Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours</li> <li>➤ Inner ear- Meniere's Disease, labyrinthitis, ototoxicity, tumours</li> <li>➤ Upper airway infections — Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis</li> <li>➤ Upper respiratory airway — epistaxis,</li> <li>➤ Nasal obstruction, laryngeal</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			obstruction, cancer of the larynx ➤ Cancer of the oral cavity		
			➤ Speech defects and speech therapy ➤ Deafness - ➤ Prevention, control and rehabilitation ➤ Hearing Aids, implanted hearing devices ➤ Special therapies nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness.		
II	15	Describe the Etiology, Patho physiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.	<b>Nursing management of patient with disorders of eye</b> ➤ Review of anatomy and physiology of the eye- ➤ Nursing Assessment-History and Physical assessment ➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: ➤ Refractive errors ➤ Eyelids-infection, tumours and deformities ➤ Conjunctiva- inflammation and infection, bleeding ➤ Cornea- inflammation and infection ➤ Lens-Cataracts ➤ Glaucoma ➤ Disorder of the urinary tract, ➤ Ocular tumours ➤ Disorders of posterior chamber and retina: Retinal and vitreous problems. ➤ Retinal detachment ➤ Ocular emergencies and their prevention ➤ Blindness ➤ National blindness control. Program Eye Banking ➤ Eye prostheses and Rehabilitation Role of a nurse- Communication with visually impaired Patient, Eye camps	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Drug book /presentation Visit to eye bank Participation in eye-camps	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Special therapies Nursing procedures Drugs used in treatment of disorders of eye.		
III	16	Describe the etiology, patho physiology, clinical manifestations diagnostic measures and nursing management of patients with neurological disorders	<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 and 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> </ul> <p>Headache Head Injuries Spinal Injuries: Paraplegia Hemiplegia - Quadraplegia Spinal cord compression- herniation of intervertebral disc Tumors of the brain &amp; spinal cord Intra cranial and cerebral aneurysms Infections: - Meningitis, Encephalitis, Brain abscess, neurocysticercosis Movement disorders - Chorea - Seizures - Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies — Bell’s palsy, trigeminal neuralgia Peripheral Neuropathies; GuillainBarr’e Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases</p>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Explain using Charts, Graphs</li> <li>• Models, films, slides</li> <li>• Demonstration</li> <li>• Practice session</li> <li>• Case discussions / Seminar</li> <li>• Health education</li> <li>• Supervised clinical practice</li> <li>• Drug book / presentation</li> <li>• Visit to rehabilitation centre.</li> </ul>	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem</p>
Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>Delirium</p> <ul style="list-style-type: none"> <li>- Dementia</li> <li>- Alzheimer’s disease</li> <li>- Parkinson’s disease</li> <li>• Management of unconscious</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>patients and patients with stroke</p> <ul style="list-style-type: none"> <li>• Role of the nurse in communicating with patient having neurological deficit</li> <li>• Rehabilitation of patients with neurological deficit</li> </ul> <p>Role of nurse in long stay facility (institutions) and at home Special therapies Nursing procedures Drugs used in treatment of neurological disorders</p>		
IV	16	<p>Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with disorders of female reproductive system</p> <p>Describe concepts of reproductive health and family welfare programme</p>	<p><b>Nursing management of patients with disorders of female reproductive system</b></p> <p>Review of anatomy and physiology of the female reproductive system</p> <p>Nursing Assessment-History and Physical assessment</p> <p>Breast Self Examination</p> <p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management disorder of female reproductive system</p> <p>Congenital abnormalities of female reproductive system</p> <p>Sexuality and Reproductive Health</p> <p>Sexual Health Assessment</p> <p>Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome</p> <p>Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia</p> <p>Pelvic Inflammatory Disease- Ovarian and fallopian tube disorders; infections, cysts, tumours</p> <p>Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours,</p>	<p>Practice session</p> <p>Case</p> <p>Discussions / Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book</p> <p>/presentation</p> <p>Lecture</p> <p>discussion</p> <p>Explain using Charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>
			<p>uterine displacement, Cystocele/Urethrocele/Rectocele</p> <ul style="list-style-type: none"> <li>• Vaginal disorders; Infections and Discharges, Fistulas</li> <li>• Vulvar disorders; Infections, cysts, tumours</li> <li>• Diseases of breasts; Deformities, Infections, Cysts and Tumours</li> <li>• Menopause and Hormonal</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Replacement Therapy <ul style="list-style-type: none"> <li>• Infertility</li> <li>• Contraception;Types Methods, Risk and effectiveness</li> <li>Spacing Methods               <ul style="list-style-type: none"> <li>- Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, Terminal methods</li> <li>- Sterilization</li> </ul> </li> <li>• Emergency Contraception methods</li> <li>• Abortion -Natural, Medical and surgical abortion - MTP Act</li> <li>• Toxic Shock Syndrome</li> <li>• Injuries and Trauma; Sexual violence</li> </ul> Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme etc		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery	<b>Nursing management of patients with Burns, reconstructive and cosmetic surgery</b> <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</li> </ul>	Lecture discussion Explain using <ul style="list-style-type: none"> <li>•Charts, graphs</li> </ul> Models, films, slides Demonstration Practice session Case discussions! Seminar Health education Supervised clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
			nursing management of Burns and Re-constructive and Cosmetic surgery; <ul style="list-style-type: none"> <li>• Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes</li> </ul> Role of Nurse Legal aspects Rehabilitation Special therapies Q Psycho social aspects Nursing procedures Drugs used in treatment of Bums,	Drug book /presentation	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			re constructive and cosmetic surgery		
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology	<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 systems; 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>c Chemotherapy</li> <li>c Radiotherapy</li> <li>c Surgical Interventions</li> <li>Stem cell and Bone marrow transplants</li> <li>Gene therapy</li> </ul> </li> </ul>	<p>Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case Discussions / Seminar Health education Supervised clinical practice Drug book /presentation</p>	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem</p>
			<p>Other forms of treatment</p> <ul style="list-style-type: none"> <li>• Psychosocial aspects of cancer.</li> <li>• Rehabilitation</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Palliative care Symptom and Pain Management, Nutritional support</li> <li>• Home care</li> <li>• Hospice care</li> <li>Stoma Therapy</li> <li>• Special therapies</li> <li>Psycho social aspects</li> <li>• Nursing procedures</li> </ul>		
VII	10	<p>Describe organization of emergency and disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in management of common Emergencies</p>	<p><b>Nursing management of patient in EMERGENCY &amp; DISASTER situations</b></p> <p><b>Disaster Nursing:</b></p> <p>Concepts and principles of Disaster Nursing</p> <p>Causes and Types of Disaster: Natural and Man-made Earthquakes, Floods, Epidemics, Cyclones</p> <p>Fire, Explosion, Accidents Violence, Terrorism; bio- chemical, War</p> <p>Policies related to emergency/disaster management; International, national, state, institutional</p> <p>Disaster preparedness: Team, Guidelines, protocols, Equipments ,Resources</p> <p>Coordination and involvement of; Community, various govt. departments, non-Government. organizations and International agencies</p> <p>Role of nurse: working</p> <p>Legal Aspects of Disaster Nursing</p> <p>Impact on Health and after effects; Post Traumatic Stress Disorder</p> <p>Rehabilitation; physical, psychosocial, Financial, Relocation</p> <p>Emergency Nursing</p> <p>Concept, priorities, principles and Scope of emergency nursing</p>	<p>Lecture discussion</p> <p>Explain using Charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions / Seminar</p> <p>education</p> <p>Supervised clinical practice</p> <p>Disaster management Drills</p> <p>Drug book /presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient</p> <p>Management problem</p>
			<p>Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse</p> <p>Coordination and involvement of different departments and facilities</p> <p>Nursing Assessment-History and Physical assessment</p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical &amp; surgical nursing management of patient with medical and surgical Emergency</p> <p>Principles of emergency management</p> <p>Common Emergencies;</p> <p>Respiratory Emergencies</p> <p>Cardiac Emergencies</p> <p>Shock and Haemorrhage</p> <p>Pain</p> <p>Poly-Trauma, road accidents, crush injuries, wound</p> <p>Bites</p> <p>Poisoning; Food, Gas, Drugs &amp; chemical poisoning</p> <p>Seizures</p> <p>Thermal Emergencies; Heat stroke &amp; Cold injuries</p> <p>Pediatric Emergencies</p> <p>Psychiatric Emergencies</p> <p>Obstetrical Emergencies</p> <p>Violence, Abuse, Sexual assault</p> <p>Cardio Pulmonary Resuscitation</p> <p>Crisis Intervention</p> <p>Role of the nurse; Communication and Inter Personal Relations</p> <p>•Medico-Legal Aspects</p>		
VIII	10	Explain the concept and problems of aging	<p><b>Nursing care of the elderly</b></p> <ul style="list-style-type: none"> <li>• Nursing Assessment-History and Physical assessment</li> </ul> <p>Aging;</p> <ul style="list-style-type: none"> <li>• Demography; Myths and realities</li> <li>• Concepts and theories of aging</li> </ul>	<p>Lecture</p> <p>discussion</p> <p>Explain using</p> <p>Charts, graphs</p> <p>Models, films, slides</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment</p>
		Describe nursing care of the elderly	<p>Cognitive Aspects of Aging</p> <p>Normal biological aging</p> <p>Age related body systems changes</p> <p>Psychosocial Aspects of Aging</p> <p>Medications and elderly</p> <p>Stress &amp; coping in older adults</p> <p>Common Health Problems &amp; Nursing Management;</p> <p>Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal</p> <p>Neurological, Skin and other</p>	<p>Demonstration</p> <p>Practice session</p> <p>Case discussions/Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book /presentation</p> <p>Visit to old age home</p>	<p>of skills with check list</p> <p>Assessment of patient management problem</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Sensory organs Psychosocial and Sexual Abuse of elderly Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual Role of nurse for caregivers of elderly Role of family and formal and non formal caregivers Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical Issues Provisions and Programmes for elderly; privileges, Community Programs and health services; Home and institutional care		
IX	10	Describe organization of critical care units  Describe the role of nurse in management of patients critical care units	<b>Nursing management of patient in critical care units</b> <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 supplies</li> <li>• Special equipments; ventilators, cardiac monitors, defibrillator,</li> <li>• Resuscitation equipments</li> <li>• Infection Control Protocols</li> </ul>	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Role plays Counseling Practice session Case discussions/ Seminar	Assessment of patient management problem Essay type Short answers Objective type Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Nursing management of critically ill patient; Monitoring of critically ill patient CPR-Advance Cardiac Life Support Treatments and procedures. Transitional care Ethical and Legal Aspects Communication with patient and Family Intensive care records Crisis Intervention Death and Dying-coping with Drugs used in critical	Health education Supervised clinical practice Drug book / presentation	
X	8	Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder	<b>Nursing management of patients adults including elderly with Occupational and Industrial Disorders</b>  Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational and Industrial Disorders		

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***



## Medical Surgical Nursing (Adult including Geriatrics) - II Practical

**Placement: Third Year**

**Time: Theory- 120hrs  
Practical - 270 hrs  
Internship- 430 hrs**

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
ENT	30 hrs	Provide care to patients with ENT disorders  Counsel and educate patient and families	Perform examination of ear, nose and throat Assist with diagnostic procedures Assist with therapeutic procedures Instillation of drops Perform/assist with irrigations. Apply ear bandage Perform tracheotomy care Teach patients and families	Provide care to 2-3 assigned patients Nursing care plan — I Observation reports of OPD Maintain drug book.	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD Completion of activity record
Ophthalmology	30 hours	Provide care to patients with Eye disorders  Counsel and educate patient and families	Perform examination of eye Assist with diagnostic procedures Assist with therapeutic procedures Perform/assist with Irrigations. Apply eye bandage Apply eye drops! Apply eye ointments Assist with foreign body removal. Teach patients and families	Provide care to 2-3 assigned patients Nursing care plan — 1 Observation reports of OPD & Eye bank Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD/Eye bank Completion of activity record

<b>Areas</b>	<b>Duration in hours</b>	<b>Objectives</b>	<b>Skills</b>	<b>Assignments</b>	<b>Assessment methods</b>
Neurology	60 hours	Provide care to patients with neurological disorders.  Counsel and educate patient and families	Perform Neurological Examination Use Glasgow coma scale Assist with diagnostic procedures Assist with therapeutic procedures Teach patients & families Participate in rehabilitation program	Provide care to assigned 2-patients with neurological disorders. Case study/Case presentation- Maintains drug book Health Teaching- I	Assess each skill with checklist Assess performance with rating scale 3. Evaluation of case study & health teaching Completion of activity record
Gynecology ward	30 hours	Provide care to patients with gynecological disorders.  Counsel and educate patient and families	Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic procedures Teach patients families Teaching self Breast Examination. Assist with PAP smear collection.	Provide care to 2-3 assigned patients Nursing care plan— i Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan Completion of activity record
Burns Unit	25 hours	Provide care to patients with Burns  Counsel and educate patient and families	Assessment of the burns patient Percentage of burns Degree of burns. Fluid & electrolyte replacement therapy • Assess • Calculate • Replace • Record intake/output Care of Bum wounds	Provide care to 1-2 assigned patients Nursing care plan -1 Observation report of Burns unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> <li>• Bathing</li> <li>• Dressing</li> </ul> Perform active & passive exercises Practice medical & surgical asepsis Counsel & Teach patients and families Participate in rehabilitation program		
Oncology Unit	50 hours	Provide care to patients with cancer  Counsel and educate patient and families	Screen for common cancers-TNM Classification Assist with diagnostic Procedures Biopsies Pap smear Bone-marrow aspiration Breast examination Assist with therapeutic procedures Participates in various modalities of treatment <ul style="list-style-type: none"> <li>• Chemotherapy</li> <li>• Radiotherapy</li> <li>• Pain management</li> </ul> Stoma therapy <ul style="list-style-type: none"> <li>• Hormonal therapy</li> </ul> Immunotherapy <ul style="list-style-type: none"> <li>• Gene therapy</li> <li>• Alternative therapy</li> </ul> Participate in palliative care Counsel and teach patients families	Provide care to 2-3 assigned patients Nursing care plan 1 Observation report of cancer unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> <li>- Self Breast Examination</li> <li>- Warning signs</li> <li>• Participate in rehabilitation program</li> </ul>		
Critical care unit	50 hours	Provide care to critically ill patients Counsel patient and families for grief and bereavement	Chest physiotherapy Perform active & passive exercises Monitoring of patients in ICU Maintain flow sheet Care of patient on ventilators Perform Endotracheal suction -Demonstrates use of ventilators, cardiac monitors etc. Collect specimens and interprets ABG analysis Assist with arterial puncture Maintain CVP line Pulse oximetry CPR-ALS Defibrillator Pace makers Bag-mask ventilation Emergency tray/ Crash Cart Administration of drugs <ul style="list-style-type: none"> <li>• Infusion pump</li> <li>• Epidural</li> </ul> Intrathecal Intra cardiac Total parenteral therapy	Provide care to I assigned patient Observation report of Critical care unit Drugs book.	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report Completion of activity record
Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			Chest physiotherapy Perform active & passive exercises Counsel the patient and family in dealing with grieving and bereavement		

Casualty! Emer- gency	25 hours	Provide care to patients in emergency and disaster situation  Counsel patient and families for grief and bereavement	Practice triage”. Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations Assist in documentations Assist in legal procedures in emergency unit Participate in managing crowd Counsel patient and families in grief and bereavement	Observation report of Emergency unit	Assess performance with rating scale Evaluation of observation report Completion of activity record
<b>Placement: Internship ( weeks)</b>					
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies	Integrated Practice		Assess clinical performance with rating scale
Surgical Ward	2				
Critical care unit /ICCU	1				
Casualty/ Emergency	2				
Operation Theatre (Eye, ENT, Neuro)	2				

**Prescribed Internal Assessment Weightage:**

<b><i>Internal Assessment</i></b>	<b><i>: Practical Examination</i></b>	<b><i>25</i></b>
	<b><i>Clinical Evaluation</i></b>	<b><i>10</i></b>
	<b><i>Care Study</i></b>	<b><i>5</i></b>
	<b><i>Practical Record</i></b>	<b><i>5</i></b>
	<b><i>Observational Visit</i></b>	<b><i>5</i></b>

## Child Health Nursing

**Placement: Third year**

**Time: Theory -90 hours**

**Practical – 270  
hours Internship**

**hours 145**

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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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<p>Explain the Modern concept of child care &amp; principles of child health Nursing</p> <p>Describe National Policy programs and legislation in relation to child health and welfare.</p> <p>List major causes of death during infancy, early &amp; late childhood</p> <p>Describe the Major functions and role of the paediatric nurse in caring for a hospitalized child.</p> <p>Describe the principles of child health Nursing</p>	<p><b>Introduction</b></p> <p><b>Modern concepts of childcare</b></p> <p>Internationally accepted rights of the Child</p> <p>National policy and legislation in relation to child health and welfare</p> <p>National programmes related to child health and welfare</p> <p>Agencies related to welfare services to the children</p> <p>Changing trends in hospital care, preventive, promotive and curative aspects of child health.</p> <p>Child morbidity and mortality rates.</p> <p>Differences between an adult and Child</p> <p>Hospital environment for a sick child</p> <p>Impact of hospitalization on the child and family.</p> <p>Grief and bereavement</p> <p>The role of a Child health nurse in caring for a hospitalized child</p> <p>Principles of pre and post operative care of infants and children</p> <p>Child health nursing procedures.</p>	<p>Lecture Discussion</p> <p>Demonstration of common paediatric procedures</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist</p>
II	20	Describe the	The healthy child	Lecture Discussion	Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>normal growth &amp; development of children at different ages</p> <p>Identify the needs of children at different ages &amp; provide parental guidance</p> <p>Identify the nutritional needs of children at different ages and ways of meeting the needs</p> <p>Appreciate the role of play for normal &amp; sick children.</p> <p>Appreciate the preventive measures and strategies for children</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, 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>	<p>Developmental study of infant and children</p> <p>Observation study of normal and sick child</p> <p>Field visit to Anganwadi, child guidance clinic</p> <p>Film show on breast feeding</p> <p>Clinical practice/field</p>	<p>Objective type</p> <p>Assessment of field visits and developmental study reports</p>
III	12	<p>Provide care to normal &amp; high risk neonates</p> <p>Perform neonatal resuscitation.</p> <p>Recognize and manage common neonatal problems</p>	<p><b>Nursing care of a neonate</b></p> <p>Nursing care of a normal newborn/Essential newborn care</p> <p>Neonatal resuscitation</p> <p>Nursing management of a low birth weight baby.</p> <p>Kangaroo mother care</p> <p>Nursing management of common neonatal disorders</p> <p>Organization of neonatal unit.</p> <p>Identification &amp; nursing management of common congenital malformations.</p>	<p>Lecture Discussion</p> <p>Workshop on - neonatal resuscitation</p> <p>Demonstration</p> <p>Practice session</p> <p>Clinical practice</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist</p>
IV	08		<p><b>Integrated management of neonatal and childhood illnesses (IMNCI)</b></p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	43	<p>Identify measures to prevent common childhood diseases including immunization</p> <p>Provide nursing care in common childhood diseases</p>	<p><b>Nursing management in common childhood diseases</b></p> <p>Nutritional deficiency disorders Respiratory disorders and infections Gastrointestinal infections, infestations and congenital disorders Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease Genito- urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders. Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia Endocrine disorders: Juvenile Diabetes Mellitus - Orthopedic disorders: club feet, hip dislocation and fracture. Disorders of skin, eye, and ears Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS.</p>	<p>Lecture Discussion Demonstration Practice session Clinical practice</p>	<p>Objective type Assessment of skills with checklist Short answers</p>
VI	07	<p>Manage the child with behavioral social problems</p> <p>Identify the social &amp; welfare services for challenged children</p>	<p>Management of behavioral &amp; social problems in children</p> <ul style="list-style-type: none"> <li>• Management of common behavioral 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> </ul> <p>Child guidance clinics</p>	<p>Lecture discussion Field visits to child guidance clinics, school for mentally &amp; physically, socially challenged</p>	<p>Short answers Objective type Assessment of field Reports</p>

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Theory - 30***  
***Assignment- 20***

## Child Health Nursing Practical

**Placement: Third Year**

**Time: 270 hrs (9 weeks)**

**Fourth Year**

**Internship- 145 hrs (3 weeks)**

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Paediatric Medicine Ward	120 hours	<p>Provide nursing care to children with various medical disorders</p> <p>Counsel and educate parents.</p>	<p>Taking Paediatric History</p> <p>Physical examination and assessment of children</p> <p>Administer of oral, J/M &amp; IV medicine/fluids</p> <p>Calculation of fluid requirements</p> <p>Prepare different strengths of I. V. fluids</p> <p>Apply restraints</p> <p>Administer O<sub>2</sub> inhalation by different methods</p> <p>Give baby bath</p> <p>Feed children by Katori spoon, etc.</p> <p>Collect specimens for common investigations</p> <p>Assist with common diagnostic procedures</p> <p>Teach mothers/parents Malnutrition Oral rehydration therapy</p> <ul style="list-style-type: none"> <li>• Feeding &amp; Weaning</li> <li>Immunization schedule</li> <li>• Play therapy</li> <li>• Specific Disease conditions</li> </ul>	<p>Give care to three assigned paediatric patients</p> <p>Nursing Care Plan -1</p> <p>Case study/ presentation - I</p> <p>Health Talk -1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study! presentation and Health education session</p> <p>Completion of activity record.</p>
Pediatric Surgery Ward	90 hrs	<p>Recognize different pediatric surgical conditions/ Malformations</p> <p>Provide pre and post operative care</p>	<p>Calculate, prepare and administer I/V fluids</p> <ul style="list-style-type: none"> <li>• bowel wash</li> </ul> <p>Care for ostomies:</p> <ul style="list-style-type: none"> <li>• Colostomy irrigation</li> </ul> <p>Ureterostomy</p> <p>Gastrostomy</p> <p>Enterostomy</p> <p>Urinary catheterization and drainage</p>	<p>Give care to three assigned paediatric surgical patients</p> <p>Nursing Care Plan - 1</p> <p>Case study / Presentation - 1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study!</p>

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		to children with common paediatric surgical conditions/ Malformation  Counsel and educate parents	Feeding Naso-gastric Gastrostomy Jejunostomy Care of surgical wounds Dressing • Suture removal		presentation Completion of activity record.
Pediatric OPD/ Immunization room	30 hrs	Perform assessment of children: Health, Developmental and Anthropometric  Perform Immunization Give Health Education / Nutritional Education	Assessment of children - Health assessment - Developmental assessment Anthropometric assessment Immunization Health/Nutritional Education	Developmental study – I	Assess clinical performance with rating scale Completion of activity record
Paediatric medicine and surgery ICU	Surgery -30 hours  NICU/Nursery – 30 hours	Provide nursing care to critically ill children	Care of a baby in incubator/warmer Care of a child on ventilator Endotracheal suction Chest physiotherapy Administer fluids with infusion pump Total parenteral nutrition Phototherapy Monitoring of babies Cardio Pulmonary Resuscitation	Nursing care plan I Observation report 1	Assess clinical performance with rating scale Completion of activity record Evaluation of observation report

## Internship

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Pediatric medicine ward/ICU	1	Provide comprehensive care to children with medical conditions	Integrated Practice		Assess clinical performance with rating scale
Pediatric	1	Provide	Integrated Practice		Assess clinical

Surgery ward/ICU		comprehensive care to children with surgical conditions			performance with rating scale
NICU	1	Provide intensive care to neonates	Integrated Practice		Assess clinical performance with rating scale

**Prescribed Internal Assessment Weightage:**

<b><i>Internal Assessment</i></b>	<b><i>:</i></b>	<b><i>Practical Examination</i></b>	<b><i>25</i></b>
		<b><i>Clinical Evaluation</i></b>	<b><i>10</i></b>
		<b><i>Care Study</i></b>	<b><i>5</i></b>
		<b><i>Practical Record</i></b>	<b><i>5</i></b>
		<b><i>Observational Visit</i></b>	<b><i>5</i></b>

# Mental Health Nursing

**Placement: Third Year**

**Theory —90 Hours  
Practical — 270Hours  
Internship- 95 hours (2 weeks)**

**Course Description:**

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
1	5	Describes the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programmes and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour	<b>Introduction</b> <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 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 settings and factors affecting the level of nursing Practice</li> <li>• Concepts of normal and abnormal Behavior</li> </ul>	Lecture Discussion	Objective type Short answer Assessment of the field visit reports
	7	Defines the various terms used in mental health Nursing	<b>Principles and Concepts of Mental Health Nursing</b> Definition: mental health nursing and terminology used Classification of mental disorders: ICD	Lecture discussion Explain using Charts Review of personality development	Essay type Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Explains the classification of mental disorders Explain psycho dynamics of maladaptive behaviour Discuss the etiological factors, psychopathology of mental disorders Explain the Principles and standards of Mental health Nursing Describe the conceptual models of mental health nursing	Review of personality development, defense mechanisms Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s) Etiology: bio- psycho-social factors Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission Principles of Mental health Nursing Standards of Mental health Nursing practice Conceptual models and the role of nurse: <ul style="list-style-type: none"> <li>• Existential Model</li> <li>• Psycho-analytical models</li> <li>• Behavioural model</li> <li>• Interpersonal model</li> </ul>		
III	8	Describe nature, purpose and process of assessment of mental health status	<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> Role and responsibilities of nurse	Lecture discussion Demonstration Practice session Clinical practice	Short answer Objective type Assessment of skills with check list
IV	8	Identify therapeutic communication techniques Describe therapeutic relationship Describe therapeutic impasse and its	<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, 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</li> </ul>	Lecture discussion Demonstration Role play Process recording	Short answer Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		intervention	Intervention		
V	15	Explain treatment modalities and therapies used in mental disorders and role of the nurse	<p><b>Treatment modalities and therapies used in mental Disorders</b></p> <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>	Lecture discussion Demonstration Group work Practice session Clinical practice	Essay type Short answers Objective Type
VI	7	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	<p><b>Nursing management of patient with Schizophrenia, and other psychotic disorders</b></p> <p>Classification: ICD</p> <p>Etiology, psycho-pathology, types, clinical manifestations, Diagnosis</p> <p>Nursing Assessment-History, Physical and mental Assessment</p> <p>Treatment modalities and nursing management of patients with Schizophrenia and other psychotic Disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and Rehabilitation</p>	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems.
VII	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients	<p><b>Nursing management of patient with mood disorders</b></p> <ul style="list-style-type: none"> <li>• Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc</li> <li>• Etiology, psycho-pathology, clinical manifestations, diagnosis,</li> <li>• Nursing Assessment-History, Physical and mental Assessment</li> </ul>	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		with mood disorders	<ul style="list-style-type: none"> <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>		
VIII	8	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	<p><b>Nursing management of patient with neurotic, stress related and somatization disorders</b></p> <p>Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder</p> <p>Etiology, psycho-pathology, clinical manifestations, diagnosis</p> <p>Nursing Assessment-History, Physical and mental Assessment</p> <p>Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and Rehabilitation</p>	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
IX	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p><b>Nursing management of patient with Substance use disorders</b></p> <p>Commonly, used psychotropic substance: Classification, forms, routes, action, intoxication and Withdrawal</p> <p>Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis,</p> <p>Nursing Assessment-History, Physical, mental assessment and drug assay.</p> <p>Treatment (detoxification, anti abuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and Rehabilitation</p>	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
X	4	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders	<p><b>Nursing management of patient with Personality, Sexual and Eating disorders</b></p> <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>	<p>Lecture discussion Case discussion Case presentation Clinical practice</p>	<p>Essay type Short answers Assessment of patient management Problems</p>
XI	8	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<p><b>Nursing management of childhood and adolescent disorders including mental Deficiency</b></p> <p>Classification Etiology, psycho-pathology, characteristics, diagnosis Nursing Assessment-History, Physical, mental and IQ Assessment Treatment modalities and nursing management of childhood disorders including mental deficiency Follow-up and home care and Rehabilitation</p>	<p>Lecture discussion Case discussion Case presentation</p>	<p>Essay type Short answers Assessment of patient</p>
XII	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of organic brain disorders.	<p><b>Nursing management of organic brain disorders</b></p> <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-Flistory, Physical, mental and neurological assessment</li> <li>• Treatment modalities and nursing management of organic brain disorders</li> <li>• Geriatric considerations</li> <li>• Follow-up and home care and</li> </ul>	<p>Lecture discussion Case discussion Case presentation Clinical practice</p>	<p>Essay type Short answers Assessment of patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Rehabilitation		
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	<p><b>Psychiatric emergencies and crisis intervention</b></p> <p>Types of psychiatric emergencies and their management</p> <p>Stress adaptation Model: stress and stressor, coping, resources and mechanism</p> <p>Grief: Theories of grieving process, principles, techniques of counseling</p> <p>Types of crisis</p> <p>Crisis Intervention: Principles, Techniques and Process</p> <p>Geriatric considerations</p> <p>Role and responsibilities of nurse</p>	Lecture discussion Demonstration Practice session Clinical practice	Short answers Objective type
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<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>	Lecture discussion Case discussion	Short answers Objective Type
XV	5	Describe the model of preventive psychiatry  Describes Community Mental health services and role of the nurse	<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,</li> </ul>	Lecture discussion Clinical / field practice Field visits to mental health service agencies	Short answers Objective type Assessment of the field visit reports

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV /AIDS etc.		

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Theory - 30  
Assignment- 20***

## Mental Health Nursing-Practical

**Placement: Third Year  
(10weeks)**

**Time: Practical - 270 hours**

**Internship - 95 hours (2 weeks)**

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Psychiatric OPD	30	Assess patients with mental health problems  Observe and assist in Therapies  Counsel and educate patient, and families	History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination Observe and assist in therapies Teach patients and family members	History taking and Mental status examination- 2 Health education- I Observation report of OPD	Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of observation report Completion of activity record.
Child Guidance clinic	60	Assessment of children with various mental health problems Counsel and educate children, families and significant Others	History taking Assist in psychometric assessment Observe and assist in various therapies Teach family and significant others	Case work-1 Observation report of different therapies-I	Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report
Inpatient ward	180	Assess patients with mental health problems To provide nursing care for patients with various mental health problems Assist in various therapies Counsel and educate patients, families and significant others	History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment Record therapeutic , communication Administer medications Assist in Electro-convulsive Therapy (ECT) Participate in all therapies Prepare patients for Activities of Daily	Give care to 2-3 patients with various mental disorders Case study- 1 Care plan -2 Clinical presentation 1 Process recording 2 Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of the case study, care plan, clinical presentation, process recording Completion of activity record

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			living (ADL) Conduct admission and discharge counseling Counsel and teach patients and families		
Community Psychiatry	30	To identify' patients with various mental Disorders To motivate patients for early treatment and follow up To assist' in follow up Clinic Counsel and Educate patient, family And Community	Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community	Case work-l Observation report on field visits	<ul style="list-style-type: none"> <li>• Assess performance with rating scale</li> <li>• Evaluation of case work and observation report</li> <li>• Completion of activity record</li> </ul>
<b>Internship</b>					
Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health Problems	Integrated Practice		Assess clinical performance with rating scale

**Prescribed Internal Assessment Weightage:**

<b>Internal Assessment</b>	<b>:</b>	<b>Practical Examination</b>	<b>25</b>
		<b>Clinical Evaluation</b>	<b>10</b>
		<b>Care Study</b>	<b>5</b>
		<b>Practical Record</b>	<b>5</b>
		<b>Observational Visit</b>	<b>5</b>

# Midwifery and Obstetrical Nursing

**Placement: Third year & Fourth year**

**Time: Theory -45 hours**

**Practical - 180 hours**

**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 periods 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	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Recognize the trends and issues in midwifery and obstetrical nursing	<p><b>Introduction to midwifery and obstetrical Nursing</b></p> <p>Introduction to concepts of midwifery and obstetrical Nursing</p> <p>Trends in midwifery and obstetrical nursing</p> <p>Historical perspectives and current trends</p> <p>Legal and ethical aspects</p> <p>Preconception care and preparing for parenthood</p> <p>Role of nurse in midwifery and obstetrical care.</p> <p>National policy and legislation in relation to maternal health and welfare.</p> <p>Maternal, morbidity, mortality and fertility rates</p> <p>Perinatal, morbidity and mortality rates</p>	Lecture discussion Explain using Charts and graphs	Short answers Objective type
II	8	Describe the anatomy and physiology of female reproductive system	<p><b>Review of anatomy and physiology of female reproductive system and foetal development</b></p> <p>Female pelvis — general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape.</p> <p>Female organs of reproduction - external genitalia, internal genital organs and their anatomical</p>	Lecture discussion Review with Charts and models	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>➤ 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</li> <li>➤ Conception</li> <li>➤ 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 chord,</li> <li>➤ Foetal circulation, foetal skull, bones, sutures and measurements.</li> <li>➤ Review of Genetics</li> </ul>		
III	8	Describe the diagnosis and management of women during antenatal period.	<p><b>Assessment and management of pregnancy (ante-natal)</b></p> <ul style="list-style-type: none"> <li>• Normal pregnancy</li> <li>• Physiological changes during pregnancy.</li> <li>• Reproductive system</li> <li>• Cardio vascular system</li> <li>• Respiratory system</li> <li>• Urinary system</li> <li>• Gastro intestinal system</li> <li>• Metabolic changes</li> <li>• Skeletal changes</li> <li>• Skin changes</li> <li>• Endocrine system</li> <li>• Psychological changes</li> <li>• Discomforts of pregnancy</li> <li>• Diagnosis of pregnancy</li> <li>• Signs</li> <li>• Differential diagnosis</li> <li>• Confirmatory tests</li> <li>• Ante-natal care C Objectives</li> <li>• Assessment</li> <li>- History and physical examination</li> <li>- Antenatal Examination</li> <li>- Signs of previous child-birth</li> </ul>	Lecture discussion Demonstration Case discussion! presentation Health talk Practice session Counseling session Supervised Clinical practice	Short answers Objective type Assessment of skills with check list Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position</li> <li>- Per vaginal examination.</li> <li>• Screening and assessment for high risk;</li> <li>• Risk approach</li> <li>• History and Physical Examination</li> <li>• Modalities of diagnosis; Invasive &amp; Non-Invasive, ultrasonics, cardiotomography, NST, CST</li> <li>• Antenatal preparation</li> <li>- Antenatal counseling</li> <li>- Antenatal exercises Q Diet</li> <li>- Substance use</li> <li>- Education for child-birth</li> <li>- Husband and families</li> <li>- Preparation for safe-confinement</li> <li>- Prevention from radiation</li> <li>• Psycho-social and cultural aspects of pregnancy</li> <li>- Adjustment to pregnancy</li> <li>- Unwed mother</li> <li>- Single parent</li> <li>- Teenage pregnancy</li> <li>- Sexual violence</li> <li>• Adoption</li> </ul>		
IV	12	<p>Describe the physiology and stages of labour.</p> <p>Describe the management of women during intra- natal period</p>	<p><b>Assessment and management of intra-natal period,</b></p> <ul style="list-style-type: none"> <li>• Physiology of labour, mechanism of labour</li> <li>• Management of labour. First stage</li> <li>- Signs and symptoms of onset of labour; normal and abnormal</li> <li>- Duration</li> <li>- Preparation of:</li> <li>• Labour room</li> <li>• Woman</li> <li>- Assessment and observation of women in labour; partogram-maternal and foetal monitoring</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</p> <p>Simulated practice</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Active management of labour, Induction of labour</li> <li>- Pain relief and comfort in labour</li> <li>• Second stage</li> <li>• Signs and symptoms; normal and abnormal</li> <li>• Duration</li> <li>• Conduct of delivery; Principles and techniques</li> <li>• Episiotomy (only if required)</li> <li>• Receiving the new born</li> <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> <li>• Third stage</li> <li>• Signs and symptoms; normal and abnormal</li> <li>• Duration</li> <li>• Method of placental expulsion</li> <li>• Management; Principles and techniques</li> <li>• Examination of the placenta</li> <li>• Examination of perineum</li> <li>• Maintaining records and reports</li> <li>• Fourth Stage</li> </ul>		
V	6	<p>Describe the physiology of puerperium.</p> <p>Describe the management of women during post- natal period</p>	<p><b>Assessment and management of women during post natal period</b></p> <ul style="list-style-type: none"> <li>• Normal puerperium; Physiology</li> <li>Duration</li> <li>• Postnatal assessment and management</li> <li>• Promoting physical and emotional well-being</li> <li>• Lactation management</li> <li>Immunization</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Health talk - Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Family dynamics after child-birth, Family welfare services; methods, counseling Follow-up Records and reports		of patient management problems
VI	7	Describe the assessment and management of normal neonate	<b>Assessment and management of normal neonates</b> Normal Neonate; - Physiological adaptation, -Initial & Daily assessment - Essential newborn care; Thermal control, - Breast feeding, prevention of infections Immunization Minor disorders of newborn and its management Levels of Neonatal care (level I, II, & III) At primary, secondary and tertiary levels Maintenance of Reports and Records	Lecture discussion Demonstration Practice Session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***



## Midwifery and Obstetrical Nursing- Practical

**Placement: Third Year & Fourth year**

**Practical: 180 hours (Third year)  
240 hours (Internship)**

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
Antenatal clinic/ OPD	60 hours	Assessment of pregnant women	Antenatal history taking Physical examination Recording of Weight & B.P Hb.& Urine testing for sugar and albumin Antenatal examination- abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records	<b>*Conduct Antenatal Examinations 30</b> Health talk - I Case book recordings	Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T.	150 hours	Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Cesarean Sections,	Assessment of Woman in labour Per vaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns	*Conduct normal deliveries - 20 *Per vaginal examinations 5 *Perform and Suture the episiotomies - 5 *Resuscitate newborns - 5 *Assist with Cesarean Sections - 2 *Witness abnormal deliveries - 5	Assessment of clinical performance with rating scale Assessment of each skill With checklists Completion of Case book recordings

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
		MTP and other surgical procedures	Assessment of risk status of newborn Episiotomy aid suturing Maintenance of labour and birth records Arrange for and assist with Cesarean section and care for woman & baby during Cesarean Arrange for and assist with MTP and other surgical procedures	Assist with MTP and other Surgical procedures - Case book recordings	
Post natal ward	120 hours	Provide nursing care to post natal mother and baby  Counsel and teach mother and family for parenthood	Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation. management Breast feeding Babybath Immunization, Teaching postnatal mother: Mother craft Post natal care & Exercises Immunization	Case presentation - I Case book recordings *Give care to Post natal - mothers - 20 Health talks-I Case study —	Assessment of clinical performance Assessment of each skill With checklists Completion of Case book recording Evaluation of case study and presentation and health education sessions
Newborn nursery	70 hours	Provide nursing care to newborn at risk	Newborn assessment Admission of neonates Feeding of at neonates risk	Case study-1 Observation Study – I	Assessment of clinical performance Assessment of each skill With checklists Evaluation

Areas	Duration in hours	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> <li>• Katori spoon, paladi, tube feeding, total parenteral nutrition</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 counseling Of parents</li> <li>Maintenance of Neonatal records</li> </ul>		of and observation study
Family Planning Clinic	Rotation from post natal ward – 30 hours	Counsel for and provide family welfare services	<ul style="list-style-type: none"> <li>Counseling technique</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 records and reports</li> </ul>	* IUD insertion-5 Observation Study-i Counseling- 2 Simulation exercise on recording and reporting - 1	Assessment of each skill With checklists Evaluation of and observation study

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

* Antenatal examination	30
* Conducting normal deliveries in Hospital/home/health centre	20
* Vagina! Examination	5
* Episiotomy and suturing	5
* Neonatal resuscitation	5
* Assist with Cesarean 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**

Duration- 5 weeks

Areas	Durati on in weeks	Objectives	Skills	Assignments	Assessment methods
Labour Ward	2	Provide comprehensive care to mothers and neonates	integrated Practice	Completion of other essential requirements Case book recordings	Assess clinical performance with rating scale Completion of case book recordings
Neonatal intensive care unit NICU	1				
Antenatal	2				

**Prescribed Internal Assessment Weightage:**

<b><i>Internal Assessment</i></b>	<b>:</b>	<b><i>Practical Examination</i></b>	<b>25</b>
		<b><i>Clinical Evaluation</i></b>	<b>10</b>
		<b><i>Care Study/Case book</i></b>	<b>5</b>
		<b><i>Practical Record</i></b>	<b>5</b>
		<b><i>Observational Visit</i></b>	<b>5</b>

## NURSING RESEARCH AND STATISTICS

**Placement: Third Year**

**Time: Theory - 45 hours**  
**Practical - 45 hours**

**Course Description:**

The 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 settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	Describe the concept of research, terms, need and areas of research in nursing.  Explain the steps of research process.	<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>	Lecture Discussion Narrate steps of research process followed from examples of published studies	Short answer Objective type
II	4	Identify and state the Research problem and objectives	<b>Research Problem 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 objectives</li> </ul>	Lecture Discussion Exercise on writing statement of problem and objectives	Short answer Objective type
III	4	Review the Related Literature	<b>Review of Literature</b> <ul style="list-style-type: none"> <li>• Location</li> <li>• Sources</li> <li>• On line search; CINHAL, COCHRANE Etc</li> <li>• Purposes</li> <li>• Method of review</li> </ul>	Lecture Discussion Exercise on reviewing one research report/ article for a selected research problem. Prepare annotated bibliography	Short answer Objective type
IV	6	Describe the Research approaches and designs	<b>Research approaches anti designs:</b> <ul style="list-style-type: none"> <li>• Historical, survey and Experimental</li> <li>• Qualitative and Quantitative Designs</li> </ul>	Lecture Discussion Explain types of research approaches used from examples of published and unpublished research	Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
				studies with rationale.	
V	8	Explain the sampling process Describe the methods of data collection	<b>Sampling and data collection:</b> <ul style="list-style-type: none"> <li>• Definition of Population, Sample, Sampling criteria, factors influencing</li> <li>• 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: Methods of data collection Questioning, interviewing Observations, record analysis and measurement Types of instruments Validity &amp; Reliability of the Instrument Pilot study Data collection procedure</li> </ul>	Lecture Discussion Reading Conduct assignment on examples of data collection tools. Preparation of sample data collection tool group research project	Short answer Objective type
VI	4	Analyze, Interpret and summarize the research data	<b>Analysis of data:</b> Compilation, Tabulation, classification, summarization, presentation, interpretation of data	Lecture Discussion Preparation of sample tables.	Short answer Objective type
VII	15	Explain the use of statistics, scales of measurement and graphical presentation of data Describe the measures of central tendency and variability and methods of correlation.	<b>Introduction to statistics:</b> <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>	Lecture Discussion Practice on graphical presentations Practice on computation of measures of central tendency, variability & correlation	Short answer Objective type
VIII	4	Communicate and utilize the research findings.	<b>Communication and utilization of Research:</b> <ul style="list-style-type: none"> <li>• Communication of research findings</li> <li>• Verbal report</li> <li>• Writing research report</li> <li>• Writing scientific article/paper</li> </ul>	Lecture, Discussion Read/Presentations of sample published / unpublished research report. Writing group research project	Short answer Objective type Oral presentation Assessment of group research Project.

<b>Unit</b>	<b>Time (Hrs)</b>	<b>Learning Objectives</b>	<b>Content</b>	<b>Teaching Learning Activities</b>	<b>Assessment methods</b>
			- Critical review of published research - Utilization of research findings		

**Prescribed Weightage for Internal Assessment:**

***Internal Assessment : Term Test - 30***  
***Research Project -20***

# Midwifery and Obstetrical Nursing

**Placement: Fourth year**

**Time: Theory -45 hours  
Practical - 180 hours**

## 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 periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

I	10	Describe the Identification and management of women with high risk Pregnancy	<p><b>High-risk pregnancy - assessment &amp; management</b></p> <ul style="list-style-type: none"> <li>• Screening and assessment</li> <li>- Ultrasonics, cardiogram, NST, CST, non-invasive &amp; invasive,</li> <li>- Newer modalities of diagnosis</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>- Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic</li> <li>- Pregnancy, vesicular mole,</li> <li>- Ante-partum haemorrhage.</li> </ul> </li> <li>• Uterine abnormality and displacement.</li> <li>• Diseases complicating pregnancy <ul style="list-style-type: none"> <li>- Medical and surgical conditions</li> <li>- Infections, RTI (STD), UTI, HIV, TORCH</li> </ul> </li> </ul>	<p>Lecture discussion Demonstrate using video films, scan reports, partograph etc</p> <p>Case discussion/presentation Health talk</p> <p>Practice Session Supervised Clinical practice</p>	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems</p>
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>- Gynaecological diseases complicating pregnancy</li> <li>- Pregnancy induced hypertension .&amp; diabetes, Toxemia of pregnancy, hydramnios, Rh incompatibility u Mental disorders</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>		
II	10	<p>Describe management of abnormal labour.</p> <p>And obstetrical emergencies</p>	<p><b>Abnormal Labour - assessment and management</b></p> <ul style="list-style-type: none"> <li>• Disorders in labour</li> <li>- CPD and contracted pelvis</li> <li>- Malpositions and malpresentations</li> <li>- Premature labour, disorders of uterine actions - precipitate labour, prolonged labour</li> <li>- Complications of third stage: injuries to birth canal</li> <li>• Obstetrical emergencies and their management;</li> <li>- Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock</li> <li>• Obstetrical procedures and operations;</li> <li>- Induction of labour, forceps, vacuum version, manual removal of placenta, cesarean section, destructive operations</li> <li>• Nursing management of women undergoing Obstetrical operations and procedures</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</p> <p>Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist.</p> <p>Assessment of patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
III	3	Describe management of post natal complications	<p><b>Abnormalities during Postnatal Periods</b></p> <p>Assessment and management of woman with postnatal complications</p> <p>Puerperal infections, breast engorgement &amp; infections, thrombo-Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution,</p> <p>Psychological complications:</p> <ul style="list-style-type: none"> <li>- Post partum Blues</li> <li>- Post partum Depression</li> <li>- Post partum Psychosis</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion</p> <p>presentation</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist.</p> <p>Assessment of patient management problems</p>
IV	8	Identify the high risk neonates and their nursing management	<p><b>Assessment and management of High risk newborn</b></p> <ul style="list-style-type: none"> <li>• Admission of neonates in the neonatal intensive care units-protocols</li> </ul> <p>Nursing management of:</p> <ul style="list-style-type: none"> <li>- Low birth weight babies</li> <li>- Infections</li> <li>- Respiratory problems</li> <li>- haemolytic disorders</li> <li>- Birth injuries</li> <li>- Malformations</li> </ul> <ul style="list-style-type: none"> <li>• Monitoring of high risk neonates</li> <li>• Feeding of high risk neonates</li> <li>• Organization 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>	<p>Lecture discussion</p> <p>Demonstration</p> <p>-Practice session</p> <p>Case discussion!</p> <p>presentation</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist.</p> <p>Assessment of patient management problems</p>
V	5	Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for Mothers	<p><b>Pharmaco-therapeutics in obstetrics</b></p> <p>Indication, dosage, action, contra indication and side effects of drugs</p> <p>Effect of drugs on pregnancy, labour &amp; puerperium,</p> <p>Nursing responsibilities in the administration of drug in Obstetrics</p> <ul style="list-style-type: none"> <li>- oxytocins, antihypertensives, diuretics, tocolytic agents, anti convulsants;</li> </ul> <p>Analgesics and anesthetics in</p>	<p>Lecture discussion</p> <p>Drug book</p> <p>Drug presentation</p>	<p>Short answers</p> <p>Objective type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			obstetrics. Effects of maternal medication on foetus and neonate		
VI	10	<p>Appreciate the importance of family welfare programme</p> <p>Describe the methods of contraception and role of nurse in family welfare programme</p>	<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>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised practice</p> <p>Group project</p> <p>Counseling session</p> <p>Field visits</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list, project and field visits reports</p>

## Community Health Nursing-II

**Placement: Fourth year**

**Time: Theory - 90 hours  
Practical - 135 hours**

**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 concept and principles of health and community health nursing

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Define concepts, scope, principles and historical development of Community Health and community health Nursing	<b>Introduction</b> <ul style="list-style-type: none"> <li>• Definition, concept &amp; scope of Community Health and Community Health Nursing</li> <li>• Historical development of Community health</li> <li>• Community health Nursing.                             <ul style="list-style-type: none"> <li>- Pre-independence</li> <li>- Post-independence</li> </ul> </li> </ul>	Lecture discussion	Essay type Short answers
II	6	Describe health plans, policies, various health committees and health problems in India	<b>Health planning and policies and problems</b> <ul style="list-style-type: none"> <li>• National health planning in India- Five Year Plans</li> <li>• Various committees and commissions on health and family welfare</li> <li>• Central council for health and family welfare (CCH and FW)</li> <li>National health policies (1983, 2002)</li> <li>• National population policy</li> <li>• Health problems in India</li> </ul>	Lecture discussion Panel discussion	Essay type Short answers
III	15	Describe the system of delivery of community health services in rural and urban areas	<b>Delivery of community health services</b> <p>Planning, budgeting and material management of SCs , PHC and, CHC</p> <p>Rural: Organization, staffing and functions of rural health services provided by government at:</p>	Lecture discussion Visits to various health delivery systems Supervised field practice Panel discussion	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>List the functions of various levels and their staffing pattern</p> <p>Explain the components of health services</p> <p>Describe alternative systems of health promotion and health maintenance.</p> <p>Describe the chain of referral system</p>	<ul style="list-style-type: none"> <li>• Village</li> <li>• Sub centre</li> <li>• Primary health centre</li> <li>• Community health center / sub divisional</li> <li>• Hospitals</li> <li>• District</li> <li>• State</li> <li>• Center</li> <li>• Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> <li>• Slums</li> <li>• Dispensaries</li> <li>• Maternal and child health centers</li> <li>• Special Clinics • Hospitals</li> <li>• Corporation / Municipality / Board</li> <li>• Components of health services</li> <li>• Environmental sanitation</li> <li>• Health education</li> <li>• Vital statistics</li> <li>• M.C.H.-antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act</li> <li>• Family Welfare</li> <li>• National health programmes</li> <li>• School health services</li> <li>• Occupational health</li> <li>• Defence services</li> <li>• Institutional services</li> <li>• Systems of medicine and health care <ul style="list-style-type: none"> <li>• Allopathy</li> <li>• Indian System of Medicine and Homeopathy</li> <li>• Alternative health care systems like yoga, meditation, social and spiritual healing etc</li> </ul> </li> <li>• Referral system</li> </ul> </li> </ul>	➤	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	25	Describe Community health Nursing approaches and concepts Describe the roles and responsibilities of Community health nursing personnel	<b>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</b> <ul style="list-style-type: none"> <li>• Approaches</li> <li>• Nursing theories And Nursing process</li> <li>• Epidemiological approach</li> <li>• Problem solving approach</li> <li>• Evidence based approach</li> <li>• Empowering people to care for themselves</li> <li>• Concepts of Primary Health Care: <ul style="list-style-type: none"> <li>• Equitable distribution</li> <li>• Community participation</li> <li>• Focus on prevention</li> <li>• Use of appropriate technology</li> <li>• Multi-sectoral approach</li> <li>• Roles and responsibilities of Community health nursing personnel in <ul style="list-style-type: none"> <li>• Family health services</li> <li>• Information Education Communication (IEC)</li> <li>• Management Information System (Mis): Maintenance of Records &amp; reports</li> <li>• Training and supervision of various categories of health workers</li> <li>• National Health Programmes</li> <li>• Environmental sanitation</li> <li>• Maternal and child health and Family welfare</li> <li>• Treatment of Minor ailments</li> <li>• School Health Services</li> <li>• Occupational Health</li> <li>• Organization of clinics, camps: Types, Preparation, planning, conduct and evaluation</li> <li>• Waste management in the center, clinics etc.</li> </ul> </li> </ul> </li> <li>• Home visit: Concept, Principles, Process, Techniques: Bag technique home visit</li> <li>• Qualities of Community Health Nurse</li> </ul>	Lecture discussion Demonstration Practice session Supervised field practice Participation in camps Group Project	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Job Description of Community health nursing personnel		
V	15	Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health	<p>Assisting individuals and groups to promote and maintain their health</p> <p>Empowerment for self care of individuals, families and groups in</p> <p>A. Assessment of self and family</p> <ul style="list-style-type: none"> <li>• Monitoring growth and development</li> <li>Mile stones</li> <li>Weight measurement</li> <li>Social development</li> <li>• Temperature and Blood pressure monitoring</li> <li>• Menstrual cycle</li> <li>• Breast self examination and testicles</li> <li>• Warning Signs of various diseases</li> <li>• Tests : Urine for sugar and albumin, blood sugar</li> </ul> <p>B. Seek health services for</p> <ul style="list-style-type: none"> <li>• Routine checkup</li> <li>• Immunization</li> <li>• Counseling</li> <li>• Diagnosis</li> <li>• Treatment</li> <li>• Follow up</li> <li>• Maintenance of health records for self and family</li> <li>• Continue medical care and follow up in community for various diseases and disabilities</li> </ul>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Individual group/family community health education</p>	<p>Essay type</p> <p>Short answers</p>
			<p>E. Carryout therapeutic procedures as prescribed! required for self and family</p> <p>F. Waste Management</p> <ul style="list-style-type: none"> <li>• Collection and disposable of waste at home and community</li> </ul> <p>G. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> <li>• Women Empowerment</li> <li>• Women and child abuse</li> <li>• Abuse of elders</li> <li>• Female Foeticide</li> <li>• Commercial sex workers</li> </ul>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> <li>• Food adulteration</li> <li>• Substance abuse</li> </ul> H. Utilize community resources for self and family Trauma services <ul style="list-style-type: none"> <li>• Old age homes</li> <li>• Orphanage</li> <li>• Homes for physically and mentally challenged individuals</li> <li>• Homes for destitute</li> </ul>		
VI	20	Describe National Health and Family Welfare Programmes and Role of Nurse Describe the various health schemes in India	<b>National Health &amp; Family Welfare Programmes and the Role of Nurse</b>  National ARI Programme Revised National Tuberculosis Control Programme (RNTCP) National Anti-Malaria Programme National Filaria control Programme National Guinea worm eradication Programme National Leprosy Eradication Programme National AIDS Control :Programme STD Control Programme National Programme for Control of Blindness Iodine Deficiency Disorder Programme Expanded Programme on Immunization National Family Welfare Programme – RCH Programme Historical Development, Organization, Administration, Research, Constraints National Water Supply & Sanitation Programme Minimum need programme National Diabetics Control Programme Polio Eradication: Pulse Polio Programme National Cancer Control Programme Yaws eradication programme National Nutritional Anemia	Lecture, Discussions Participation in National Health Programmes Field Visits	Essay Type Short Answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Prophylaxis Programme 20 Point Programme ICDS Programme Mid-day Meal Applied Nutritional Programme National Mental Health Programme Health Schemes -ESI -CGHS -Health Insurance		
VII	5	Explain the roles and functions of various national and international health agencies	<b>Health Agencies</b> International - WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. National - Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association India, Hindu Kush Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.	Lecture discussion Field visits	Essay type Short answers

**Prescribed Internal Assessment Weightage:**

***Internal Assessment : Term Test - 30***  
***Assignment - 20***



## Community Health Nursing-II Practical

**Placement: Fourth year**

**Time: Practical — 140 hours  
Internship- 195 hours**

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Community health nursing	Urban – 40 hours  Rural – 100 hours	Identify community profile Identify prevalent communicable and non-communicable diseases Diagnose health needs of Individual, families and community Plan, provide and evaluate care Participate in school health program Participate in national health programs Organize group for self help and involve clients in their own health activities Provide family welfare services Counsel and educate individual, family and community Collect Vital health statistics Maintain Records & Reports	Community health survey Community diagnosis Family care: Home adaptation of common procedures Home visit: Bag technique Organize and conduct clinics- antenatal, post natal, well baby clinic, camps etc Screen manage and referrals for: High risk mothers and neonates Accidents and emergencies Illnesses: Physical and mental Disabilities Conduct delivery at centre/home: episiotomy and suturing Resuscitate newborn School Health programme Screen, manage, refer children Collaborate with health and allied agencies Train and Supervise health workers Provide family welfare services: insertion of IUD Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly health,	Community survey report-I Family care study- I Project-I Health talk-I Case book recording	Assess clinical performance with rating scale Evaluation of community survey report, family care study, project and health talk Completion of activity record. Completion of case book recording

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			physically and mentally challenged individuals etc Collect and Calculate Vital health statistics Document and maintain Individual, family and administrative records. Write reports-center, disease, national health programme/ projects		

**Placement: Internship Time: 4 Weeks**

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Urban	4 weeks	Provide comprehensive care to individual, family and community	Integrated Practice and group project-I in each rural and urban		Assess clinical performance with rating scale  Evaluation of project

Note: During the Rural posting they should stay in health centers under the supervision of teachers

**Prescribed Internal Assessment Weightage:**

Internal Assessment	:	Practical Examination	25
		Clinical Evaluation	10
		Family Care Study	5
		Practical Record	5
		Field/Observational Visit	5



# MANAGEMENT OF NURSING SERVICES AND EDUCATION

**Placement: Fourth year**

**Hours- 90 Hours**

**Theory: 90 hours**

**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	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		Explain the principles and functions of management.	<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>	Lecture Discussion Explain using organization chart	Short answers
II	5		Describe the elements and process of management	Management process Planning; mission, philosophy, objectives, operational plan Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling Human resource management; recruiting, selecting, deployment, retaining, promoting, superannuation etc Budgeting: concept, principles, types, cost benefit analysis, audit Material management: equipment and supplies Directing process (Leading )Controlling: Quality management Program Evaluation	Lecture Discussion Simulated Exercises Case studies	Essay type Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Review Technique		
				(PERT), Benchmarking, Activity Plan (Gantt Chart),		
III	8	20	Describe the Management of nursing services in the hospital and Community	<p><b>Management of nursing services in the hospital and Community:</b></p> <ul style="list-style-type: none"> <li>• Planning: Hospital and patients care units including ward management Emergency and disaster management</li> <li>• Human resource management: Recruiting, selecting, deployment, retaining, promoting, superannuation etc</li> <li>• Categories of nursing personnel including job description of all levels</li> <li>• Patient/population classification systems Patients/population assignment and Nursing care responsibilities</li> <li>• Staff development and welfare Budgeting: proposal, projecting requirements for staff, equipments and supplies for 1-hospital and patient care units</li> <li>• Emergency and disaster management</li> </ul> <p>Material Management; procurement, inventory</p>	Lecture Discussion Demonstration Simulated Exercises Case studies Supervised practice in ward- writing indents, preparing duty roaster, ward supervision Assignment on duties and responsibilities of ward sister Writing report	Essay type Short answers Assessment of problem solving exercises, Assessment of the assignments Performance evaluation by ward sister with rating scale

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				<p>control, auditing and maintenance in Hospital and patient care units</p> <ul style="list-style-type: none"> <li>• Emergency and disaster management</li> </ul> <p>Directing and leading: delegation, participatory management</p> <ul style="list-style-type: none"> <li>• Assignments, rotations, delegations</li> <li>• Supervision &amp; guidance</li> <li>• Implement Standards, policies, procedures and practices</li> <li>• Staff development and welfare</li> <li>• Maintenance of discipline</li> </ul> <p>Controlling / Evaluation:</p> <ul style="list-style-type: none"> <li>• Nursing Rounds/Visits, Nursing protocols, Manuals</li> </ul> <p>Quality Assurance Model, documentation - a Records and reports</p> <p>Performance appraisal</p>		
IV	10		Describe the concepts, theories and techniques of Organizational behaviour and human relations	<p><b>Organizational behaviour and human relations:</b></p> <ul style="list-style-type: none"> <li>• Concepts and theories of organizational behaviours</li> <li>• Review of Channels of communication</li> <li>• Leadership styles</li> <li>• Review of Motivation; concepts and theories</li> <li>• Group dynamics</li> <li>• Techniques of Communication;</li> <li>• Interpersonal relationships</li> <li>• Human relations;</li> <li>• Public relations in context of nursing</li> <li>• Relations with professional associations and employee unions and Collective</li> </ul>	<p>Lecture Discussion</p> <p>Role plays</p> <p>Group games</p> <p>Self assessment</p> <p>Case discussion</p> <p>Practice Session</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of problem solving</p>

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				bargaining		
V	5	5	Participate in planning and organizing in service education program	<b>In service education:</b> <ul style="list-style-type: none"> <li>• Nature &amp; scope of in-service education program,</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>	Lecture Discussion Plan & conduct an educational session for in service nursing personnel	Short Answer Objective type Assess the planning & conduct of the educational session
VI	10		Describe management of Nursing educational institutions	Management of nursing educational institutions <ul style="list-style-type: none"> <li>• Establishment of Nursing educational institution-INC norms and guidelines</li> <li>• Co-ordination with</li> <li>• Regulatory bodies</li> <li>• Accreditation</li> <li>• Affiliation</li> <li>- Philosophy! objectives</li> <li>- Organization</li> <li>• Structure</li> <li>• Committees</li> <li>- Physical facilities</li> <li>• College/School</li> <li>• Hostel</li> <li>- Students</li> <li>• Selection</li> <li>• Admission</li> <li>• Guidance and Counseling</li> <li>• Maintaining discipline</li> <li>- Faculty and staff</li> <li>• Selection</li> <li>• Recruitment</li> <li>• Job description</li> <li>• Placement</li> <li>• Performance appraisal</li> <li>• Development and welfare</li> </ul> Budgeting Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc Curriculum; Planning,	Lecture Discussion Role plays Counseling session Group Exercises	Essay type Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				implementation and evaluation, Clinical facilities Transport facilities Institutional Records and reports administrative, faculty, staff and students		
VII	15		Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards	<b>Nursing as a profession:</b> <ul style="list-style-type: none"> <li>• Philosophy; nursing practice</li> <li>• Aims and objectives</li> <li>• Characteristics of a professional nurse</li> <li>• Regulatory bodies; INC. SNC Acts; - constitution, functions</li> <li>• Current trends and issues in Nursing</li> <li>Professional ethics</li> <li>• Code of ethics; INC,</li> <li>• Code of Professional conduct; INC, ICN</li> <li>Practice standards for Nursing; INC Consumer protection act</li> <li>Legal Aspects in Nursing</li> <li>• Legal terms related to practice; registration and licensing</li> <li>• Laws related to nursing practice; Breach and penalties</li> <li>• Malpractice and negligence</li> <li>ICN</li> </ul>	Lecture Discussion Case discussion Panel discussion Role plays Critical incidents Visit to INC/SNC	Short answers Assessment of critical incidents
VIII	3		Explain the various opportunities for professional advancement	<b>Professional Advancement:</b> Continuing education Career Opportunities Collective bargaining Membership with Professional organizations; National. and International Participation in research activities Publications; Journals, Newspapers etc.	Lecture Discussion Review! Presentation of published articles	Short answers

**Prescribed Weightage for Internal Assessment:**

***Internal Assessment : Term Test - 30***  
***Assignment -***  
***10 Observational visit***  
***- 10***

