

English

Placement – First Year

Time: 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 experiences.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	10	<ul style="list-style-type: none"> • Speak and write grammatically correct English 	<ul style="list-style-type: none"> • Review of Grammar • Remedial study of Grammar • Building Vocabulary • Phonetics • Public Speaking 	<ul style="list-style-type: none"> • Demonstrate use of dictionary • Class-room conversation • Exercise on use of Grammar • Practice in public speaking 	<ul style="list-style-type: none"> • Objective Type • Fill in the blanks • Para phrasing
II	30	<ul style="list-style-type: none"> • Develop ability to read, understand and express meaningfully, the prescribed text 	Read and comprehend prescribed course books	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> ❖ Reading ❖ Summarizing ❖ Comprehension 	<ul style="list-style-type: none"> • Short Answers • Essay Type
III	10	<ul style="list-style-type: none"> • Develop writing skills 	<ul style="list-style-type: none"> • Various forms of composition <ul style="list-style-type: none"> ❖ Letter writing ❖ Note taking ❖ Precise writing ❖ Nurses notes ❖ Anecdotal records ❖ Diary writing ❖ Reports on health problems etc. ❖ Resume/CV 	<ul style="list-style-type: none"> • Exercise on writing <ul style="list-style-type: none"> ❖ Letter writing ❖ Nurses notes ❖ Precise ❖ Diary ❖ Anecdote ❖ Health problems ❖ Story writing ❖ Resume/CV • Essay writing <ul style="list-style-type: none"> ❖ Discussion on written reports/ documents 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list
IV	6	Develop skill in spoken English	<ul style="list-style-type: none"> • Spoken English <ul style="list-style-type: none"> ❖ Oral report ❖ Discussion ❖ Debate ❖ Telephonic 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> ❖ Debating ❖ Participating in Seminar, Panel, symposium 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			conversation	❖ Telephonic conversation	
V	4	Develop skill in listening comprehension	<ul style="list-style-type: none"> • Listening Comprehension <ul style="list-style-type: none"> ❖ Media, audio, video, speeches etc. 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> ❖ Listening to audio, video tapes and identify the key points 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list

Anatomy

Placement – First Year

Time: Theory – 60 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	5	<ul style="list-style-type: none"> Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands 	Introduction to Anatomical terms organization of the human body <ul style="list-style-type: none"> Human Cell structure Tissues- Definition, Types, characteristics, classification, location, functions and formation Membranes and glands – classification and structure Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, microscopic slides, Skeleton & torso Demonstrate cells, types of tissues membranes and glands Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
II	6	<ul style="list-style-type: none"> Describe the structure & function of bones and joints 	The Skeletal System <ul style="list-style-type: none"> Bones- types, structure, Axial & Appendicular Skeleton, Bone formation and growth Description of bones Joints- classification and structure Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, skeleton, loose bones, and joints Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
III	7	<ul style="list-style-type: none"> Describe the structure and function of muscles 	The Muscular System <ul style="list-style-type: none"> Types Structure of muscles Muscle groups Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, models and films Demonstrate muscular movements Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
IV	6	<ul style="list-style-type: none"> Describe the structure & function of nervous system 	The Nervous System <ul style="list-style-type: none"> Structure of Neurologia & neurons Somatic Nervous system <ul style="list-style-type: none"> ❖ Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves Autonomic Nervous System- sympathetic, parasympathetic <ul style="list-style-type: none"> ❖ Structure, location ❖ Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
V	6	<ul style="list-style-type: none"> Explain the Structure & functions of sensory organs 	The Sensory System <ul style="list-style-type: none"> Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus) Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VI	7	<ul style="list-style-type: none"> Describe the structure & function of circulatory and lymphatic system 	Circulatory and lymphatic system <ul style="list-style-type: none"> The Circulatory System <ul style="list-style-type: none"> ❖ Blood – Microscopic structure ❖ Structure of Heart ❖ Structure of blood vessels- Arterial & Venous System, ❖ Circulation: systemic, Pulmonary, coronary Lymphatic system <ul style="list-style-type: none"> Lymphatic vessels and lymph ❖ Lymphatic tissues <ul style="list-style-type: none"> Thymus gland Lymph nodes Spleen Lymphatic nodules Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	5	<ul style="list-style-type: none"> Describe the structure & function of Respiratory system 	The Respiratory System <ul style="list-style-type: none"> Structure of the organs of respiration Muscles of respiration: Intercostals and Diaphragm Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VIII	6	<ul style="list-style-type: none"> Describe the structure & function of Digestive system 	The Digestive System <ul style="list-style-type: none"> Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
IX	4	<ul style="list-style-type: none"> Describe the structure & function of excretory system 	The Excretory System(Urinary) <ul style="list-style-type: none"> 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"> Lecture Discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
X	4	<ul style="list-style-type: none"> Describe the structure & function of endocrine system 	The Endocrine System <ul style="list-style-type: none"> Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using models, Torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
XI	4	<ul style="list-style-type: none"> Describe the structure & function of Reproductive system 	The Reproductive System including breast <ul style="list-style-type: none"> 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"> Lecture Discussion Explain using models, Torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Physiology

Placement – First Year

Time: 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 disease and practice of nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	4	<ul style="list-style-type: none"> Describe the physiology of cell, tissues, membranes and glands 	Cell Physiology <ul style="list-style-type: none"> Tissue – formation, repair Membranes & glands – functions Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answer questions Objective type
II	4	<ul style="list-style-type: none"> Describe the bone formation and growth and movements of skeleton system 	Skeletal System <ul style="list-style-type: none"> Bone formation and growth Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing Joints and joint movement Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, models and films Demonstration of joint movements 	<ul style="list-style-type: none"> Short answer questions Objective type
III	4	<ul style="list-style-type: none"> Describe the muscle movements and tone and demonstrate muscle contraction and tone 	Muscular System <ul style="list-style-type: none"> Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, models and films Demonstration of muscle movements, tone and contraction 	<ul style="list-style-type: none"> Short answer questions Objective type
IV	7	<ul style="list-style-type: none"> Describe the physiology of nerve stimulus, reflexes, brain cranial and spinal nerves Demonstrate reflex action and stimulus 	Nervous System <ul style="list-style-type: none"> Functions of Neuralgia & Neurons Stimulus & Nerve- Impulse- Definitions & Mechanism Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid-composition, circulation and function Reflex arc, reflex action and reflexes Autonomic functions – <ul style="list-style-type: none"> Pain: Somatic, visceral and referred 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, models and films Demonstration of nerve stimulus reflex action, reflexes. 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Autonomic learning and biofeedback Alterations in disease Applications and implications in nursing 		
V	8	<ul style="list-style-type: none"> Describe the physiology of blood and functions of Heart Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring 	Circulatory System <ul style="list-style-type: none"> Blood formation, composition, blood groups, blood coagulation Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation Functions of Heart, Conduction, Cardiac cycle, circulation – Principles, Control, factors influencing BP and Pulse Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, films Demonstration of blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system. Measurement of pulse, BP 	<ul style="list-style-type: none"> Short answer questions Objective type
VI	6	<ul style="list-style-type: none"> Describe the physiology and mechanisms of respiration Demonstrates spirometry 	The Respiratory System <ul style="list-style-type: none"> Functions of respiratory organs Physiology of respiration Pulmonary ventilation, Volume Mechanics of respiration Gaseous exchange in lungs Carriage of oxygen & carbon-dioxide Exchange of gases in tissues Regulation of respiration Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, films Demonstration of spirometry 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	6	<ul style="list-style-type: none"> Describe the physiology of digestive system Demonstrates BMR 	The Digestive System <ul style="list-style-type: none"> 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 Metabolism of carbohydrates, protein and fat 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, films 	<ul style="list-style-type: none"> Short answer questions Objective type
VIII	5	<ul style="list-style-type: none"> Describe the physiology of excretory System 	The Excretory System <ul style="list-style-type: none"> Functions of kidneys, ureters, urinary bladder & urethra Composition of urine Mechanism of urine formation 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, films 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> • Functions of skin • Regulation of body temperature • Fluid and electrolyte balance Alterations in disease <ul style="list-style-type: none"> • Applications and implications in nursing 		
IX	4	<ul style="list-style-type: none"> • Describe the physiology of Sensory Organs 	The Sensory Organs <ul style="list-style-type: none"> • Functions of skin, eye, ear, nose, tongue. • Alterations in disease • Applications and implications in nursing 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, films 	<ul style="list-style-type: none"> • Short answer questions • Objective type
X	5	<ul style="list-style-type: none"> • Describe the physiology of Endocrine glands 	The Endocrine System <ul style="list-style-type: none"> • Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes • Alterations in disease • Applications and implications in nursing 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, films 	<ul style="list-style-type: none"> • Short answer questions • Objective type
XI	5	<ul style="list-style-type: none"> • Describe the physiology of male and female reproductive system 	The Reproductive System <ul style="list-style-type: none"> • Reproduction of cells – DNA, Mitosis, Meiosis, Spermatogenesis, oogenesis. • Functions of female reproductive organs; Functions of breast, Female sexual cycle. • Introduction to embryology • Functions of male reproductive organs, Male function in reproduction, Male fertility system, <ul style="list-style-type: none"> • Alterations in disease • Applications and implications in nursing 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, films, models, specimens 	<ul style="list-style-type: none"> • Short answer questions • Objective type
XII	2	<ul style="list-style-type: none"> • Describe the physiology of Lymphatic and Immunological System 	Lymphatic and Immunological System <ul style="list-style-type: none"> • Circulation of lymph • Immunity <ul style="list-style-type: none"> ▪ Formation of T-cells and B cells ▪ Types of Immune response ▪ Antigens, Cytokines ▪ Antibodies 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, films 	<ul style="list-style-type: none"> • Short answer questions • Objective type

Nutrition

Placement – First Year

Time: Theory – 40 hours

Practical – 20 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
	Th.	Pr.				
I	4		<ul style="list-style-type: none"> Describe the relationship between nutrition & health 	Introduction <ul style="list-style-type: none"> Nutrition: <ul style="list-style-type: none"> History Concepts Role of nutrition in maintaining health Nutritional problem in India National nutritional policy Factors affecting food and nutrition: Socio – economic, cultural, tradition, production, system of distribution, life style and food habits, etc. Role of food and its medicinal value. Classification of foods Food standards Elements of Nutrition: Macro and micro Calorie, BMR 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts Panel discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	2		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Carbohydrates 	Carbohydrates <ul style="list-style-type: none"> Classification Caloric value Recommended daily allowances Dietary sources. Functions Digestion, absorption and storage, metabolism of carbohydrates Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
III	2		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances 	Fats <ul style="list-style-type: none"> Classification Caloric value Recommended daily allowances Dietary sources. Functions 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
			(RDA) of fats	<ul style="list-style-type: none"> Digestion, absorption and storage, metabolism Malnutrition: Deficiencies and over consumption 		
IV	2		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Protein 	Proteins <ul style="list-style-type: none"> Classification Caloric value Recommended daily allowances Dietary sources. Functions Digestion, absorption and storage, metabolism Malnutrition: Deficiencies and over consumption 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
V	3		<ul style="list-style-type: none"> Describe the daily calorie requirement for different categories of people 	Energy <ul style="list-style-type: none"> Unit of Energy – Kcal Energy requirements of different categories of people Measurements of energy Body Mass Index (BMI) and basic metabolism Basal Metabolic Rate (BMR) – determination and factors affecting 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts Exercise Demonstration 	<ul style="list-style-type: none"> Short answers Objective type
VI	4		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins 	Vitamins <ul style="list-style-type: none"> Classification Recommended daily allowances Dietary sources. Functions Absorption, synthesis, metabolism storage and excretion Deficiencies Hypervitaminosis 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
VII	4		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals 	Mineral <ul style="list-style-type: none"> Classification Recommended daily allowances Dietary sources. Functions Absorption, synthesis, metabolism storage and excretion Deficiencies Over consumption and toxicity 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
VIII	3		<ul style="list-style-type: none"> Describe the 	Water & electrolytes <ul style="list-style-type: none"> Water: Daily requirements, 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
			sources, functions and requirements of water & electrolytes	regulation of water metabolism, distribution of body water, <ul style="list-style-type: none"> Electrolytes: Types, sources, composition of body fluids. Maintenance of fluid & electrolyte balance Over hydration, dehydration and water intoxication Electrolyte imbalances. 	<ul style="list-style-type: none"> Explaining using charts 	<ul style="list-style-type: none"> Objective type
IX	5	15	<ul style="list-style-type: none"> Describe the cookery rules and preservation of nutrients and Prepare serve simple beverages and different types of food. 	Cookery rules and preservation of nutrients <ul style="list-style-type: none"> Principles, methods of cooking and serving <ul style="list-style-type: none"> Preservation of nutrients Safe Food handling – toxicity Storage of food Food preservation, food additives and its principles Prevention of food adulteration Act (PFA) Food standards Preparation of simple beverages and different types of food 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice Session 	<ul style="list-style-type: none"> Short answers Objective type Assessment of practice sessions
X	7	5	<ul style="list-style-type: none"> Describe and plan balanced diet for different categories of people 	Balanced Diet <ul style="list-style-type: none"> Elements Food groups Recommended Daily Allowance Nutritive value of foods Calculation of balanced diet for different categories of people Planning the menu Budgeting of food Introduction to therapeutic diets: Naturopathy – Diet. 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts Practice Session Meal Planning 	<ul style="list-style-type: none"> Short answers Objective type Exercise on menu planning
XI	4		<ul style="list-style-type: none"> Describe various National programmes related to Nutrition Describe the role of nurse in assessment of nutritional 	Role of nurse in nutritional programmes <ul style="list-style-type: none"> National programmes related to nutrition <ul style="list-style-type: none"> Vitamin A deficiency programme National iodine deficiency disorders (IDD) programme. Mid – day meal 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts Slide/ Film shows Demonstration of 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
			status and nutrition education	<p>programme</p> <ul style="list-style-type: none"> ▪ Integrated child development scheme (ICDS) • National and International agencies working towards food / nutrition. <ul style="list-style-type: none"> ▪ NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc. • Assessment of nutritional status • Nutrition education and role of nurse. 	assessment of nutritional status	

Biochemistry

Placement : First Year

Time : Theory 30 Hours

Course Description: This course is designed to enable students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in disease for practice of nursing.

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activity	Assessment method
I	1	<ul style="list-style-type: none"> Describe the structure composition and functions of cell Differentiate between Prokaryote and eukaryote cell Identify techniques of Microscopy 	Introduction: <ul style="list-style-type: none"> Definition and significance in nursing Review of structure, Composition and Functions of cell Prokaryote and Eukaryote cell organization <ul style="list-style-type: none"> Microscopy 	<ul style="list-style-type: none"> Lecture discussion using charts, slides. Demonstrate use of microscope 	<ul style="list-style-type: none"> Short answer questions Objective type
II	6	<ul style="list-style-type: none"> Describe the structure and functions of cell membrane 	Structure and functions of Cell membrane: <ul style="list-style-type: none"> Fluid mosaic model tight junction, Cytoskeleton. Transport, mechanism: diffusion, osmosis, filtration, active. Channel, sodium pump. Acid base balance maintenance & diagnostic tests. □ PH buffers 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answer questions Objective type
III	6	<ul style="list-style-type: none"> Explain the metabolism of carbohydrate 	Composition and metabolism of Carbohydrates: <ul style="list-style-type: none"> Types, Structure, composition and uses. <ul style="list-style-type: none"> □ Monosaccharide, Disaccharides, Polysaccharides, Oligosaccharides. Metabolism <ul style="list-style-type: none"> □ Pathways of glucose <ul style="list-style-type: none"> - Glycolysis - Gluconeogenesis: Cori's cycle, Tri carboxylic acid (TCA) cycle - Glycogenolysis - Pentose Phosphate pathways (Hexose mono phosphate) □ Regulation of blood 	<ul style="list-style-type: none"> Lecture discussion Demonstrate of blood glucose monitoring 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activity	Assessment method
			glucose level. Investigations and their Interpretations		
IV	4	<ul style="list-style-type: none"> Explain the metabolism of Lipids 	Composition and metabolism of Lipids: <ul style="list-style-type: none"> Types, structure, composition and uses of fatty acids : <ul style="list-style-type: none"> Nomenclature, Roles and Prostaglandins. Metabolism of fatty acid : <ul style="list-style-type: none"> Breakdown Synthesis Metabolism of triacylglycerols: Cholesterol Metabolism : <ul style="list-style-type: none"> Biosynthesis and its Regulation <ul style="list-style-type: none"> Bile salts and bilirubin Vitamin – D Steroid hormones Lipoproteins and their functions : <ul style="list-style-type: none"> VLDLs - IDLs, LDLs and HDLs Transport of lipids Atherosclerosis, Investigations and their interpretations. 	<ul style="list-style-type: none"> Lecture discussion using charts, slides. Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type
V	6	<ul style="list-style-type: none"> Explain the metabolism of amino acid and proteins 	Composition and metabolism of amino acids and Proteins <ul style="list-style-type: none"> Types, structure, composition and uses of amino acids and proteins. Metabolism of amino acids and proteins : <ul style="list-style-type: none"> Protein synthesis, targeting and glycosylation. Chromatography Electrophoresis Sequencing Metabolism of Nitrogen : <ul style="list-style-type: none"> Fixation and Assimilation Urea Cycle Hemes and chlorophylls Enzymes and coenzymes: <ul style="list-style-type: none"> Classification 	<ul style="list-style-type: none"> Lecture discussion using charts, slides. Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activity	Assessment method
			<input type="checkbox"/> Properties <input type="checkbox"/> Kinetics and Inhibition <input type="checkbox"/> Control Investigations and their interpretations.		
VI	2	<ul style="list-style-type: none"> Describe types, composition and utilization of vitamins & minerals 	Composition and vitamins and minerals: <ul style="list-style-type: none"> Vitamins and minerals <ul style="list-style-type: none"> <input type="checkbox"/> Structure <input type="checkbox"/> Classification <input type="checkbox"/> Properties <input type="checkbox"/> Absorption <input type="checkbox"/> Storage and transportation <input type="checkbox"/> Normal Concentration Investigations and their interpretations.	<ul style="list-style-type: none"> Lecture discussion using charts, slides. Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	3	<ul style="list-style-type: none"> Describe Immunochemistry 	Immunochemistry <ul style="list-style-type: none"> Immune response. Structure and classification of immunoglobins. Mechanism of antibody Production. Antigens : HLA typing Free radical and antioxidants. Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein. Electrophoretic and Quantitative, determination of immunoglobins, ELISA etc. Investigations and their interpretations	<ul style="list-style-type: none"> Lecture discussion using charts, slides. Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type

Nursing Foundations

Placement: First Year

Time: Theory - 265 hours

Practical - 650 hours (200 lab and 450 clinical)

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	10	<ul style="list-style-type: none"> Describe the concept of health, illness and health care agencies 	Introduction <ul style="list-style-type: none"> Concept of Health: Health – Illness continuum Factors influencing health Causes and risk factors for developing illness Body defences: Immunity and immunization Illness and illness Behaviour: Impact of illness on patient and family Health Care services: Health Promotion and Prevention, Primary Care, Diagnosis, Treatment, rehabilitation and Continuing Care Health care teams Types of health care agencies: Hospitals: Types, Organisation and Functions Health Promotion and Levels of Disease Prevention Primary health care and its delivery: Role of nurse 	<ul style="list-style-type: none"> Lecture discussion Visit to health care agencies 	<ul style="list-style-type: none"> Essay type Short answers Objective type
II	16	<ul style="list-style-type: none"> Explain concept and scope of nursing Describe values, code of ethics and professional conduct for nurses in India 	Nursing as a profession <ul style="list-style-type: none"> Definition and Characteristics of a profession Nursing: Definition, Concepts, philosophy, objectives Characteristics, nature and scope of nursing practice Functions of nurse Qualities of a nurse 	<ul style="list-style-type: none"> Lecture discussion Case discussion Role plays 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> ▪ Categories of nursing personnel <ul style="list-style-type: none"> ▪ Nursing as a profession ▪ History of Nursing in India ▪ Values: Definition, Types, Values Clarification and values in professional Nursing: Caring and Advocacy <ul style="list-style-type: none"> ▪ Ethics: ▪ Definition and Ethical Principles ▪ Code of ethics and professional conduct for nurses 		
III	4	<ul style="list-style-type: none"> • Explain the admission and discharge procedure • Performs admission and discharge procedure 	Hospital admission and discharge <ul style="list-style-type: none"> ▪ Admission to the hospital ▪ Unit and its preparation-admission bed ▪ Admission procedure ▪ Special considerations ▪ Medico-legal issues ▪ Roles and Responsibilities of the nurse ▪ Discharge from the hospital ▪ Types: Planned discharge, LAMA and abscond, Referrals and transfers ▪ Discharge Planning ▪ Discharge procedure ▪ Special considerations ▪ Medico-legal issues ▪ Roles and Responsibilities of the nurse ▪ Care of the unit after discharge 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab Practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess skills with check list • Clinical practical examination
IV	10	<ul style="list-style-type: none"> • Communicate effectively with patient, families and team <ul style="list-style-type: none"> • members and maintain effective human relations (Projecting professional image) • Appreciate the importance of patient teaching in nursing 	Communication and Nurse patient relationship <ul style="list-style-type: none"> • Communication: Levels, Elements, Types, Modes, Process, Factors Influencing Communication • Methods of Effective Communication, <ul style="list-style-type: none"> - Attending skills - Rapport building skills - Empathy skills • Barriers to effective communication, 	<ul style="list-style-type: none"> • Lecture discussion • Role play and video film on the nurses Interacting with the patient • Practice Session on patient Teaching • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>Helping Relationships (NPR): Dimensions of Helping Relationships, Phases of a helping relationship</p> <p>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)</p> <ul style="list-style-type: none"> • Patient Teaching: Importance, Purposes, Process, role of nurse and integrating teaching in Nursing Process 		
V	15	<ul style="list-style-type: none"> • Explain the concept, uses, format and steps of nursing process • Documents nursing process as per the format 	<p>The Nursing Process:</p> <ul style="list-style-type: none"> • Critical Thinking and Nursing Judgment • Critical Thinking: Thinking and Learning • Competencies, Attitudes for Critical Thinking, Levels of Critical Thinking in Nursing. • Nursing Process Overview: <ul style="list-style-type: none"> • Application in Practice • Nursing Process format: INC, Current format • Assessment: Collection of data: Types, Sources, Methods • Formulating Nursing Judgment: Data interpretation <ul style="list-style-type: none"> • Nursing Diagnosis: • Identification of client problems • Nursing diagnosis statement • Difference between medical and nursing diagnosis <ul style="list-style-type: none"> • Planning • Establishing Priorities 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Exercise • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Establishing Goals and Expected Outcomes, Selection of interventions: Protocols and standing Orders Writing the Nursing Care plan <ul style="list-style-type: none"> Implementation Implementation the plan of care <ul style="list-style-type: none"> Evaluation Outcome of care Review and modify Documentation and Reporting 		
VI	4	<ul style="list-style-type: none"> Describe the purposes, types and techniques of recording and reporting 	Documentation and Reporting: <ul style="list-style-type: none"> Documentation: Purposes of Recording and reporting Communication within the Health Care Team, Types of records; ward records, medical / nursing records, Common Record - Keeping forms, Computerized documentation Guidelines for Reporting: Factual Basis, Accuracy, Completeness, Currentness, Organization, Confidentiality <ul style="list-style-type: none"> Methods of Recording, Reporting: Change -of shift reports: Transfer reports, Incident reports. Minimizing legal Liability through effective record keeping. 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
VII	15	<ul style="list-style-type: none"> Describe principles and techniques of monitoring and maintaining vital signs Monitor and maintain vital signs 	<p>Vital signs:</p> <ul style="list-style-type: none"> Guidelines for taking vital signs <ul style="list-style-type: none"> Body temperature: Physiology, Regulation, Factors affecting body temperature. Assessment of body temperature: sites, equipments and technique, special Considerations. <ul style="list-style-type: none"> Temperature alterations: Hyperthermia, Heatstroke Hypothermia Hot and cold applications Pulse: <ul style="list-style-type: none"> Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse Assessment of pulse: sites, location, equipments and technique, special considerations Alterations in pulse: Respiration: <ul style="list-style-type: none"> Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration Assessment of respirations: technique, special considerations Alterations in respiration Blood pressure: <ul style="list-style-type: none"> Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
VIII	30	<ul style="list-style-type: none"> Describe purpose and process of health assessment Describe the health assessment of each body system Perform health assessment of each body system 	Health assessment <ul style="list-style-type: none"> Purposes Process of Health assessment <ul style="list-style-type: none"> Health History Physical examination <ul style="list-style-type: none"> Methods- Inspection, Palpation, Percussion, Auscultation, Olfaction Preparation for examination: patient and unit General assessment Assessment of each body system Recording of health assessment 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice on simulators Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
IX	5	<ul style="list-style-type: none"> Identifies the Various machinery, equipment and linen and their care 	Machinery, Equipment and linen <ul style="list-style-type: none"> Types: Disposables and reusables-Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction: <ul style="list-style-type: none"> Indent Maintenance Inventory 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answers Objective type
X	60	<ul style="list-style-type: none"> 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 	Meeting needs of patient <ul style="list-style-type: none"> Basic needs (Activities of daily living) <ul style="list-style-type: none"> Providing safe and clean environment: <ul style="list-style-type: none"> 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:- 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice sessions Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> o Assessment, Principles, Type, Equipments, Procedure, Special Considerations - Patient environment: Room Equipment and linen, making patient beds <ul style="list-style-type: none"> o Types of beds and bed making <input type="checkbox"/> Comfort:- <ul style="list-style-type: none"> - Factors Influencing Comfort - Comfort devices • Physiological needs: <input type="checkbox"/> Sleep and Rest: <ul style="list-style-type: none"> - Physiology of sleep - Factors affecting sleep - Promoting Rest and sleep - Sleep Disorders <input type="checkbox"/> Nutrition:- <ul style="list-style-type: none"> - Importance - Factors affecting nutritional needs - Assessment of Nutritional needs: Variables - Meeting Nutritional needs: Principles, equipments, procedure and special considerations. o Oral o Enteral : Naso/Orogastric, gastrostomy o Parenteral: <input type="checkbox"/> Urinary Elimination <ul style="list-style-type: none"> - Review of Physiology of Urine Elimination, Composition and characteristics of urine - Factors Influencing Urination - Alteration in Urinary Elimination - Types and Collection of 	•	

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>urine specimen: Observation, urine testing – Facilitating urine elimination: assessment, types, equipments, procedures and special considerations</p> <ul style="list-style-type: none"> ○ Providing urinal / bed pan ○ Condom drainage ○ Perineal care ○ Catheterization ○ Care of urinary drainage ○ Care of urinary diversions ○ Bladder irrigation <p>□ Bowel Elimination</p> <ul style="list-style-type: none"> – Review of Physiology of Bowel Elimination , Composition and characteristics of faeces – Factors affecting Bowel elimination – Alteration in Bowel Elimination – Types and Collection of specimen of faeces: Observation – Facilitating bowel elimination: assessment, equipments, procedures and special considerations ○ Passing of Flatus tube ○ Enemas ○ Suppository ○ Sitz bath ○ Bowel wash ○ Care of Ostomies <p>□ Mobility and Immobility</p> <ul style="list-style-type: none"> – Principles of Body Mechanics – Maintenance of normal body Alignment and mobility] – Factors affecting body alignment and mobility – Hazards associated with immobility – Alternation in body 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>Alignment and mobility</p> <ul style="list-style-type: none"> - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitation aspects <ul style="list-style-type: none"> o Range of motion exercises o Maintaining body alignment: Positions o Moving o Lifting o Transferring o Walking o Restraints □ Oxygenation <ul style="list-style-type: none"> - Review of Cardiovascular and respiratory Physiology - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations. o Maintenance of patent airway o Oxygen administration o Suction o Inhalations: dry and moist o Chest Physiotherapy and postural drainage o Care of Chest drainage o Pulse oximetry o CPR-Basic life support □ Fluid, electrolyte, and Acid-Base Balances <ul style="list-style-type: none"> - 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 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			Fluid, Electrolyte, and Acid – Base Imbalances: assessment, types, equipment, procedure and special considerations <ul style="list-style-type: none"> ○ 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, <ul style="list-style-type: none"> ✓ Administering Blood transfusion ✓ Restriction of fluids • Psychosocial Needs <ul style="list-style-type: none"> □ 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 <ul style="list-style-type: none"> - Assist with coping and adaptation - Creating therapeutic environment Recreational and diversional therapies		
XI	20	<ul style="list-style-type: none"> • Describe principles and techniques for infection control and biomedical waste management in supervised Clinical settings 	Infection control in Clinical settings <ul style="list-style-type: none"> • Infection control <ul style="list-style-type: none"> □ Nature of infection □ Chain of infection transmission □ Defenses against infection: natural and acquired □ Hospital acquired infection (Nosocomial infection) • Concept of asepsis: medical asepsis, and surgical asepsis 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> Hand washing: simple, hand antisepsis and surgical antisepsis (scrub) Isolation: source and protective Personal protecting equipments: types, uses and technique of wearing and removing Decontamination of equipment and unit Transportation of infected patients Standard safety precautions (Universal precautions) Transmission based precautions Biomedical waste management: <ul style="list-style-type: none"> Importance Type of hospital waste Hazards associated with hospital waste Decontamination of hospital waste Segregation and Transportation and disposal 		
XII	40	<ul style="list-style-type: none"> Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within and between systems of measurements 	Administration of Medications General Principles/Considerations <ul style="list-style-type: none"> Purposes of Medication Principles: 5 rights, Special Considerations, 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> Administer drugs by the following routes – oral, Intradermal, Subcutaneous, Intramuscular, Intravenous, topical, inhalation 	<p>Prescriptions, Safety in Administering Medications and Medication Errors</p> <ul style="list-style-type: none"> Drug forms Routes of administration Storage and maintenance of drugs and Nurses responsibility Broad classification of drugs Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reaction, Allergic Reactions, Drug Tolerance, Drug Interactions, Factors Influencing drug Action, Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions. Converting Measurements Units: Conversion within one system, Conversion between systems, Dosage Calculation, Terminologies and abbreviations used in prescriptions of medications Oral Drugs Administration: Oral, Sublingual and Buccal: Equipment, procedure Parenteral <ul style="list-style-type: none"> General principles: decontamination and disposal of syringes and needles Types of parenteral therapies Types of syringes, needles, canula, and 		examination

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>infusion sets</p> <ul style="list-style-type: none"> □ Protection from Needle stick Injuries: Giving Medications with a safety syringes □ Routes of parenteral therapies <ul style="list-style-type: none"> - Intradermal: purpose, site, equipment, procedure, special considerations - Subcutaneous: purpose, site, equipment, procedure, special considerations - Intra Venous: purpose, site, equipment, procedure, special considerations - Advanced techniques: Epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intraarterial-Role of nurse • Topical Administration: purposes, site, equipment, procedure, special considerations for <ul style="list-style-type: none"> □ Application to Skin □ Application to mucous membrane - Direct application of liquids-Gargle and swabbing the throat - Insertion of Drug into body cavity: Suppository/ medicated packing in rectum/vagina - Instillations:, Ear, Eye, Nasal, Bladder, and Rectal - Irrigations:Eye, Ear, Bladder, Vaginal and 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			Rectal – Spraying: Nose and throat <ul style="list-style-type: none"> • Inhalation: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications)- purposes, types, equipment, procedure, special considerations <input type="checkbox"/> Recording and reporting of medications administered		
XIII	10	<ul style="list-style-type: none"> • Describe the pre and post operative care of patients • Explain the process of wound healing • Explain the principles and techniques of wound care • Perform care of wounds 	Meeting needs of Perioperative patients <ul style="list-style-type: none"> • Definition and concept of Perioperative Nursing • Preoperative Phase <ul style="list-style-type: none"> <input type="checkbox"/> Preparation of patient for surgery • Intraoperative <ul style="list-style-type: none"> <input type="checkbox"/> Operation theatre set up and environment <input type="checkbox"/> Role of nurse • Postoperative Phase <ul style="list-style-type: none"> <input type="checkbox"/> Recovery unit <input type="checkbox"/> Post operative unit <input type="checkbox"/> Postoperative care, • Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing • Surgical asepsis • Care of the sound: types, equipments, procedure and special considerations <ul style="list-style-type: none"> <input type="checkbox"/> Dressings, Suture care, <input type="checkbox"/> Care of Drainage <input type="checkbox"/> Application of Bandages, Binders, Splints & Slings <input type="checkbox"/> Heat and Cold Therapy 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess with check list and clinical practical examination
XIV	15	<ul style="list-style-type: none"> • Explain care of patients having alterations in body 	Meeting special needs of the patient <ul style="list-style-type: none"> • Care of patients having 	<ul style="list-style-type: none"> • Lecture discussion • Case 	<ul style="list-style-type: none"> • Essay type • Short answers

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		functioning	<p>alteration in</p> <ul style="list-style-type: none"> - Temperature (hyper and hypothermia); Types, Assessment, Management - Sensorium (Unconsciousness); Assessment, Management - Urinary Elimination (retention and incontinence) Assessment, Management - Functioning of sensory organs: (Visual & hearing impairment) - Assessment of Self-Care ability - Communication Methods and special considerations - Mobility (physically challenged, cast), assessment of Self-care ability: Communication Methods and special considerations - Mental state (Mentally challenged) assessment of Self-Care ability; - Communication Methods and special considerations - Respiration (distress); Types, Assessment, Management - Comfort- (Pain)- Nature, Types, Factors influencing pain, Coping, assessment, Management; • Treatments related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric analysis 	<p>discussions</p> <ul style="list-style-type: none"> • Supervised Clinical practice 	<ul style="list-style-type: none"> • Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
XV	5	<ul style="list-style-type: none"> Explain care of terminally ill patient 	Care of Terminally ill patient <ul style="list-style-type: none"> □ Concepts of Loss, Grief, grieving Process □ Signs of clinical death □ Care of dying patient: special considerations <ul style="list-style-type: none"> – Advance directives: euthanasia, will, dying declaration, organ donation etc □ Medico-legal issues □ Care of dead body: equipment, procedure and care of unit □ Autopsy □ Embalming 	<ul style="list-style-type: none"> Lecture discussion Demonstration Case discussions Role play Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
XVI	6	<ul style="list-style-type: none"> Explain the basic concepts of conceptual and theoretical models of nursing 	Professional Nursing concepts and practices <ul style="list-style-type: none"> • Conceptual and theoretical model of nursing practice: Introduction to models- holistic model, health belief model, health promotion model, etc • Introduction to Theories in Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's • Linking theories with nursing process 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Nursing Foundations - Practical

Placement: First Year

Time: Practical - 650 hours

(200 lab and 450 clinical)

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

Area	Time (Hrs)	Objective	Skills	Assignments	Assessment Methods
Demonstration Lab General, Medical and Surgery ward	200- 450 Minimum practice time in clinical area	<ul style="list-style-type: none"> Performs admission and discharge procedure Prepares nursing care plan as per the nursing process format 	<p>Hospital admission and discharge (III) : -</p> <ul style="list-style-type: none"> Admission Prepare Unit for new patient Prepare admission bed Performs admission Procedure New Patient Transferin Prepare patient records <p>Discharge / Transfer out :</p> <ul style="list-style-type: none"> Gives discharge counseling Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers) Prepare records of discharge / transfer. Dismantle, and disinfect unit and equipment after discharge / transfer. <p>Perform assessment :</p> <ul style="list-style-type: none"> History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, Selection of interventions. Write Nursing Care plan Given care as per the plan 	<ul style="list-style-type: none"> Practice in Unit/hospital Write nursing process records of patient Simulated – 1 Actual -1 	<ul style="list-style-type: none"> Evaluate with checklist Assessment of clinical performance with rating scale Completion of practical record Assessment of nursing process records with checklist Assessment of actual care given with rating scale

Area	Time (Hrs)	Objective	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> Communicate effectively with patient, families and team members and Maintain effective human relations Develops plan for patient teaching Prepare patient reports Presents reports Monitor vital signs Perform health assessment of each body system Provide basic nursing care to patients 	<p>Communication :</p> <ul style="list-style-type: none"> Use verbal non verbal communication techniques <p>Prepare a plan for patient teaching session</p> <p>Write patient report :</p> <ul style="list-style-type: none"> Change -of shift reports, Transfer reports, incidents reports etc. Presents patient report <p>Vital signs :</p> <ul style="list-style-type: none"> Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure. <p>Health assessment :</p> <ul style="list-style-type: none"> Health History taking Perform assessment : <ul style="list-style-type: none"> General Body system Use various methods of physical examination Inspection, Palpation, Percussion, Auscultation, Olfaction. Identification of system wise deviations. <p>Prepare patient's unit :</p> <ul style="list-style-type: none"> Prepare beds: <ul style="list-style-type: none"> Open, closed, occupied, operation, amputation, Cardiac, fracture, burn, Divided, & Fowlers bed Pain assessment and provision for comfort. Use comfort devices Hygienic care <ul style="list-style-type: none"> Oral Hygiene 	<ul style="list-style-type: none"> Role-plays in simulated situations on communication techniques-1 Health talk-1 Write nurses notes and present the patient report of 2-3 assigned patient Lab practice Measure Vital signs of assigned patient Practice in lab & hospital Simulated exercise on CPR manikin 	<ul style="list-style-type: none"> Assess role plays with the check-list on Communication techniques Assess health talk with the check list Assessment of communication techniques by rating scale Assessment of performance with rating scale Assessment of each skill with checklist Completion of activity record Assessment of each skill with rating scale Completion of activity

Area	Time (Hrs)	Objective	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> Baths and care of pressure points. Hair wash, Pediculosis treatment. <p>Feeding :</p> <ul style="list-style-type: none"> Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding. Naso -gastric insertion, suction, and irrigation. <p>Assisting patient in urinary elimination:</p> <ul style="list-style-type: none"> Provides urinal / bed pan Condom drainage Perineal care Catheterization Care of urinary drainage <p>Bladder irrigation Assisting bowel Elimination :</p> <ul style="list-style-type: none"> Insertion of Flatus tube. Enemas Insertion of suppository. <p>Bowel wash, Body Alignment and Mobility :</p> <ul style="list-style-type: none"> Range of motion exercises Positioning: - Recumbent, Lateral (rt / lt) Fowlers, Sims, Lithotomy, Prone, Trendelenburg position. Assist patient in moving lifting, transferring , walking. Restraints. <ul style="list-style-type: none"> Oxygen administration <ul style="list-style-type: none"> Suctioning: Oropharyngeal, nasopharyngeal <ul style="list-style-type: none"> Chest physiotherapy and postural drainage <p>Care of Chest drainage</p> <ul style="list-style-type: none"> CPR - Basic life support Intravenous therapy 	<ul style="list-style-type: none"> Observation study -2 Department of Infection 	record

Area	Time (Hrs)	Objective	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> • Perform infection control procedures • Provide care to pre and post operative patients • Perform procedures for care of wounds • Administer drugs 	<ul style="list-style-type: none"> • Blood and blood component therapy • Collect / assist for collection of specimens for investigations urine, sputum, faces, vomitus, blood and other body fluids <ul style="list-style-type: none"> □ Perform lab tests:- <p>Urine: - Sugar, albumin, acetone</p> <p>Blood: - Sugar (with strip/ gluco-meter)</p> <p>Hot and cold application: local and general Sitz bath</p> <p>Communicating and assisting with self-care of visually & hearing impaired patients.</p> <p>Communicating and assisting with self-care of mentally challenged / disturbed patient.</p> <p>Recreational and diversional therapies</p> <p>Caring of patient with alteration in sensorium.</p> <p>Infection control: -</p> <p>Perform following Procedures:</p> <ul style="list-style-type: none"> □ Hand washing techniques □ Simple, hand antisepsis and surgical antisepsis (scrub). □ Prepare isolation unit in lab / ward. □ Practice technique of wearing and removing Personal protective equipment (PPE) □ Practice Standard safety Precautions (Universal Precautions) <p>Decontamination of</p>	<p>control & CSSD</p> <ul style="list-style-type: none"> • Visits CSSD write observation report – 1 • Collection of samples for culture • Do clinical posting in infection control department and write report • Practice in lab/ward 	<ul style="list-style-type: none"> • Assess observation study with checklist • Evaluate all procedures with checklist

Area	Time (Hrs)	Objective	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> • Provide care to dying and dead • Counsel and support relatives 	<p>equipment and unit: -</p> <ul style="list-style-type: none"> • Surgical asepsis: • Sterilization <ul style="list-style-type: none"> <input type="checkbox"/> Handling sterilized equipment <input type="checkbox"/> Calculate strengths of lotions, <input type="checkbox"/> Prepare lotions <input type="checkbox"/> Care of articles <p>Pre and post operative care: -</p> <ul style="list-style-type: none"> • Skin Preparations for surgery: Local • Preparation of post operative unit • Pre & Post operative teaching and counseling. • Pre & Post operative monitoring. • Care of the wound • Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, splints & Slings. • Bandaging of various body parts. <p>Administration of Medications: -</p> <ul style="list-style-type: none"> • Administer Medications in different forms and routes. • Oral, Sublingual and Buccal, • Parenteral: Intradermal, subcutaneous, Intramuscular etc. • Assist with Intra venous medications • Drug measurements and dose calculations. • Preparation of lotions and solutions. • Administers topical applications. • Insertion of drug into body cavity: Suppository & medicated packing etc. • Instillation of medicines and spray into Ear, Eye, Nose, and throat. 		

Area	Time (Hrs)	Objective	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> • Irrigations: - Eye, Ear, Bladder, vagina and rectum. • Inhalations: dry and moist <p>Care of dying patient: -</p> <ul style="list-style-type: none"> • Caring and packing of dead body. • Counseling and supporting grieving relatives. • Terminal care of the unit. 		

Psychology

Placement: First Year

Time: Theory - 60 hours

Course Description: This course is designed to assist the students to knowledge of fundamentals of psychology and develop an insight into behavior 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 Objective	Content	Teaching Learning Activities	Assessment Methods
I	2	<ul style="list-style-type: none"> Describe the history, scope and methods of psychology 	Introduction: <ul style="list-style-type: none"> History and origin of science of Psychology Definitions and scope of Psychology Relevance to Nursing Methods of Psychology 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
II	4	<ul style="list-style-type: none"> Explain the biology of human behaviour. 	Biology of behavior: - Body mind relationship – Modulation process in Health and illness. Genetics and behavior : Heredity and environment Brain and Behavior: Nervous system, Neurons and synapse. <ul style="list-style-type: none"> Association Cortex, Rt and Lt Hemispheres Psychology of Sensations Muscular and glandular controls of behavior. Nature of behavior of an organism / integrated responses 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers

III	20	Describe various cognitive processes and their applications	<p>Cognitive Processes:</p> <ul style="list-style-type: none"> • Attention: Types, determinants, Duration, and Degree, alterations. • Perception: - Meaning, Principles, factors affecting, errors. • Learning Nature: - Types, learner and learning, factors influencing, laws and theories, process, transfer, study habits. • Memory: - Meaning, types, nature, factors influencing, development theories methods of memorizing and Forgetting. • Thinking: - Types and levels, stages of development, Relationship with language and communication. 	<ul style="list-style-type: none"> • Lecture Discussion • Psychometric assessment: • Practice Sessions 	<ul style="list-style-type: none"> • Essay type • Short answers
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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> • Intelligence: - Meaning, Classification, Uses, theories. • Aptitude: - Concept, types, Individual differences and variability. • Psychometric assessments of cognitive, Processes. • Alterations in cognitive processes • Applications 		
IV	8	Describe the motivation, emotions, stress, attitudes and their influence on behavior.	<p>Motivation and Emotional Processes:</p> <ul style="list-style-type: none"> • Motivation: Meaning, Concepts, Types, Theories, Motives and behavior, Conflict and frustration, conflict resolution. • Emotions & Stress : <ul style="list-style-type: none"> □ Emotion: - Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness. □ Stress : Stressor, cycle, effect, adaptation & Coping • Attitude: - Meaning, nature, development, factors affecting. Behavior and attitudes. □ Attitudinal Change • Psychometric assessments of emotions and attitudes. Alterations in emotions • Applications. 	<ul style="list-style-type: none"> • Lecture • Discussion • Role plays • Case Discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers
V	7	Explain the concepts of personality and its influence on behavior	<p>Personality:</p> <ul style="list-style-type: none"> • Definitions, topography , factors affecting personality, types, theories. • Psychometric assessments of personality. • Alterations in personality • Applications. 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers
VI	7	Describe psychology of people during the life cycle	<p>Developmental Psychology:</p> <ul style="list-style-type: none"> • Psychology of people at different ages from infancy to old age. • Psychology of vulnerable individuals – Challenged, women, sick, etc. • Psychology of groups. 	<ul style="list-style-type: none"> • Lecture • Discussion • Case Discussion 	<ul style="list-style-type: none"> • Essay type • Short answers

VII	8	Describe the characteristics of mentally healthy person,	Mental hygiene and mental Health: <ul style="list-style-type: none"> • Concepts of mental hygiene and mental health. • Characteristics of mentally healthy person. 	<ul style="list-style-type: none"> • Lecture • Discussion • Role plays • Case 	<ul style="list-style-type: none"> • Essay type • Short answers
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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		explain ego defense mechanisms	<ul style="list-style-type: none"> • Warning signs of poor mental health • Promotive and Preventive mental health strategies and services. • Ego Defense mechanisms and implications. • Personal and social adjustments. • Guidance and Counseling • Role of nurse 	Discussion <ul style="list-style-type: none"> • Demonstration 	
VIII	4	<ul style="list-style-type: none"> • Explain the psychological assessments and role of nurse 	Psychological assessment & tests: - Types, development, Characteristics, Principles, Uses, Interpretations, and role of nurse in psychological assessment.	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Practice sessions 	<ul style="list-style-type: none"> • Assessment of Practice

Microbiology

Placement: First Year

Time: Theory - 60 Hours (Theory 45+15 lab)

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

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	5		<ul style="list-style-type: none"> Explain concepts and principles of microbiology and their importance in nursing. 	Introduction: - <ul style="list-style-type: none"> Importance and relevance to nursing Historical Perspective Concepts and terminology Principles of microbiology 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	10	5	Describe structure, classification morphology and growth of bacteria, identify microorganisms.	General characteristics of Microbes: - <ul style="list-style-type: none"> Structure and classification of Microbes. Morphological types. Size and form of bacteria. Motility Colonization Growth and nutrition of microbes: <ul style="list-style-type: none"> Temperature Moisture Blood and body fluids Laboratory methods for Identification of Micro – Organisms. Staining Techniques, Gram staining, Acid fast staining, Hanging drop preparation Culture: Various Medias. 	<ul style="list-style-type: none"> Lecture Discussion Demonstration 	<ul style="list-style-type: none"> Short answers Objective type
III	10	2	Describe the methods of infection control, identify the role of nurse in hospital infection control programme	Infection Control: - <ul style="list-style-type: none"> Infection: Sources Portals of entry and exit, transmission. Asepsis Disinfection: Types and methods. Sterilization: Types and Methods. Chemotherapy and antibiotics. Standard safety measures. 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Visits to CSSD Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr				
				<ul style="list-style-type: none"> • Biomedical waste management. • Role of nurse . • Hospital acquired infection. • Hospital infection control programme □ Protocols, collection of samples, preparation of report and status of rate of infection in the unit/ hospital nurses accountability, continuing education etc. 		
IV	12	4	Describe the different disease producing organisms.	Pathogenic organisms: - <ul style="list-style-type: none"> • Micro-organisms : Cocci – gram positive and gram negative Bacilli – gram positive and gram negative Spirochaete □ Mycoplasma □ Rickettsiae Chlamydiae • Viruses • Fungi – Superficial and Deep mycoses • Parasites • Rodents & vectors Characteristics, Source, Portal of entry, transmission of infection. Identification of disease producing micro – organisms Collection , handling and transportation of various specimens.	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type
V	8	4	Explain the concept of immunity, hypersensitivity and immunization	Immunity: <ul style="list-style-type: none"> • Immunity – Types, Classification • Antigen and antibody reaction. • Hypersensitivity – skin test • serological tests. • Immunoprophylaxis : □ Vaccines & sera– Types & Classification, Storage and handling cold chain. □ Immunization for various diseases □ Immunization Schedule 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type

Introduction to Computer

Placement: First Year

Time: Theory - 45 Hours

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 Objective	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr				
I	3		Identify and define various concepts used in computer, identify application of computer in nursing.	Introduction: • Concepts of computers. • Hardware and Software: trends and technology • Application of computers in nursing	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type
II	6	20	Describe and use the Disk Operating System, Demonstrate skill in the use of MS Office.	Introduction to disk – operating system: • DOS • Windows (all version) Introduction : • MS – Word • MS – Excel with pictorial presentation • MS – Access • MS – Power point	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Practice session 	<ul style="list-style-type: none"> • Short answers • Objective type • Practical Exam
III	2	3	Demonstrate skill in using multi- media, identify features of computer aided teaching and testing	Multimedia: - types & uses • Computer aided teaching & testing.	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type • Practical Exam and Viva Voce
IV	1	3	Demonstrate use of internet and Email.	Use of Internet and e – mail	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Practice session 	<ul style="list-style-type: none"> • Short answers • Objective type • Practical Exam and Viva Voce

V	2	2	Describe and use the statistical packages.	Statistical packages: Types and their features.	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session 	<ul style="list-style-type: none"> • Short answers • Objective type • Practical Exam and Viva Voce
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VI	1	2	Describe the use of Hospital Management System.	Hospital Management System: Types and uses.	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type • Practical Exam and Viva Voce
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COMMUNICATION & EDUCATION TECHNOLOGY

Placement: Second Year

Theory – 90hours
(Class 60 + lab 30)

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

Unit	Time (Hrs)	Learning Objective	Contents	Methods of teaching	Assessment Methods
I	T=5 P=1	<ul style="list-style-type: none">Describe the communication processIdentify Techniques of effective communication	Review of communication process <ul style="list-style-type: none">Process, elements and channels Facilitators <ul style="list-style-type: none">Barriers and methods of overcoming Techniques	<ul style="list-style-type: none">Lecture/DiscussionsRole PlaysExercise with audio videotapes	<ul style="list-style-type: none">Respond to critical incidentsLong/Short answerObjective typeAnecdotal records
II	T=5 P=0	<ul style="list-style-type: none">Establish Effective Interpersonal relations with patients, families and co-workers	Interpersonal relations <ul style="list-style-type: none">Purpose and types PhasesBarriers to interpersonal relationsMethods of overcoming barriersJohari Window	<ul style="list-style-type: none">Lecture/discussionsSociometryGroup GamesPsychometric exercises followed by discussions	<ul style="list-style-type: none">Long/Short answersObjective type

III	T=5 P=1	<ul style="list-style-type: none"> • Develop effective Human relations In context of nursing 	Human Relations <ul style="list-style-type: none"> • Understanding self • Social behavior Social attitudes • Individual and Group & Groups and individual • Human relations in context of nursing • Group Dynamics • Team Work 	<ul style="list-style-type: none"> • Lecture/discussions • Group Games • Psychometric exercises followed by discussions 	<ul style="list-style-type: none"> • Long/short answers • Objective type • Respond to test based on critical incidents • Anecdotal records
IV	T=10 P=5	<ul style="list-style-type: none"> • Develop basic skills of counseling and guidance 	Guidance and counseling <ul style="list-style-type: none"> • Definition, meaning, purpose, scope & need. • Basic Principles • Areas of counseling • Organization of counseling services • Approaches to counseling • Attributes and skills of counselor • Issues for counseling in nursing students and nursing personnel • Counseling process steps & techniques • Tools for collecting information • Problem solving approaches • Management of crisis and referral 	<ul style="list-style-type: none"> • Lecture/discussions • Role play on counseling in different situations followed by discussions 	<ul style="list-style-type: none"> • Long/short answers • Objective type Assess performance in role play situations

V	T=10 P=8	<ul style="list-style-type: none"> • Describe the Philosophy and principles of education • Explain teaching learning process 	Principles of Education & Teaching Learning Process <ul style="list-style-type: none"> • Education: meaning philosophy aims, functions, & principles • Nature & Characteristics of learning • Principles and maxims of teaching • Domains of objectives & formulation of general and specific objective • Lesson planning Classroom management 	<ul style="list-style-type: none"> • Lecture/discussion • Exercise on writing objectives • Prepare lessons plan • Microteaching 	<ul style="list-style-type: none"> • Long/Short answers • Objective type • Assess lesson plans • Assess teaching sessions
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VI	T=10 P=5	<ul style="list-style-type: none"> • Demonstrate teaching skills in various teaching methods in clinical, classroom & community settings. 	Methods Of Teaching: <ul style="list-style-type: none"> • Lecture, demonstration • Group discussions, Seminar, Symposium, panel discussion, role-play. • Project method field trip, workshop, exhibition • Computer assisted learning programmed instructions • Micro- teaching, Evidence based learning • Self-instructional module, simulation etc. Clinical Teaching Methods: <ul style="list-style-type: none"> • Bedside Clinics, Case Method, Nursing rounds, morning & afternoon reports, Conference Individual & group,] Field visits, process recording	<ul style="list-style-type: none"> • Lecture discussions • Conduct 5 teaching sessions using different methods and media 	<ul style="list-style-type: none"> • Long/Short answers • Objective type • Assess teaching Sessions
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VII	T=5 P=5	<ul style="list-style-type: none"> • Prepare and use different types of educational media effectively 	<p>Educational Media</p> <ul style="list-style-type: none"> • Purpose and types of Audiovisual and principles and sources etc. • Graphic Aids: <ul style="list-style-type: none"> • Chalkboard, Charts, graph, poster • Flash cards, flannel Graph, Bulletin Board, Cartoon • Three Dimensional Aids: <ul style="list-style-type: none"> • Objects, specimens, models, & puppets. • Printed Aids: <ul style="list-style-type: none"> • Pamphlets & leaflets. • Projected Aids: <ul style="list-style-type: none"> • Slides overhead projector transparency preparation • Films, T.V.VCR/ VCD • Camera, Microscope, LCD,DVD • Audio Aids: <ul style="list-style-type: none"> • Tape recorder, public address system • Computer 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Prepare different teaching aids projected and non- projected • Prepare a programme for the given topic • Visit to dept of communication, & educational technology 	<ul style="list-style-type: none"> • Long/Short answer • Objective type • Assess the teaching aids prepared
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VIII	T=5 P=5	<ul style="list-style-type: none"> Prepare different types of questions for assessment of knowledge, skills, and attitude 	<p>Assessment</p> <ul style="list-style-type: none"> Purpose & scope of evaluation & assessment Criteria for selection of assessment technique and methods. <p>Assessment of knowledge:</p> <ul style="list-style-type: none"> Essay Type Questions, Short answers questions (SAQ), Multiple choice questions (MCQ) <p>Assessment Of Skills</p> <ul style="list-style-type: none"> Observation checklist, Practical exam, Viva, Objective Structured, Clinical examination (OSCE) <p>Assessment of Attitudes:</p> <ul style="list-style-type: none"> Attitude Scales 	<ul style="list-style-type: none"> Lecture discussion Exercise on writing different types of assessment tools 	<ul style="list-style-type: none"> Long/Short answer Objective type Assess the strategies used in practice teaching Assess the different tools, prepared during exercise sessions.
IX	T=5 P=0	<ul style="list-style-type: none"> Teaching individuals groups and communities about health with their active participation 	<p>Information, Education & Communication for Health (ICE)</p> <ul style="list-style-type: none"> Health behavior and health education Planning for health education Principles of health education Health education with individuals, groups and communities Methods and media for communicating health messages. Using mass media 	<ul style="list-style-type: none"> Lecture discussion Plan and conduct Health education sessions for individual group and communities 	<ul style="list-style-type: none"> Long/Short answer Objective type Assess the planning & conduction of the educational session

COMMUNITY HEALTH NURSING- I

Placement: Second Year

Theory : 90hours

Practical: 135 hours

Course Description-This Course is designed for Students to understand the principles of promotion and maintenance of health

Unit	Time (Hrs)	Learning Objective	Contents	Teaching Learning Activities	Assessment Methods
I	4	<ul style="list-style-type: none">Describe Concept and dimensions of health	Introduction <ul style="list-style-type: none">Community health nursingDefinition, concept and<ul style="list-style-type: none">Dimensions of healthDeterminants of healthPromotion of healthIndicators of healthMaintenance of health	Method <ul style="list-style-type: none">Lecture, Discussion	<ul style="list-style-type: none">Short answers
II	18	<ul style="list-style-type: none">Describe determinants of health & Environment	Determinants of health <ul style="list-style-type: none">EugenicsPhysical: Air, lightEnvironmental factors contributing Health Ventilation, water, Housing Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate,Bacterial & Viral: Agents, host carriers and immunity Arthropods and RodentsCommunication; Infrastructure facilities and LinkageInsect, Rodent& Parasite Control Noise Control	<ul style="list-style-type: none">Lecture, DiscussionExplain using Charts, Graphs, Models, films slidesVisits to water supply, sewage disposal, milk plants, slaughter house etc.	<ul style="list-style-type: none">Essay typeShort answersObjective type

			<ul style="list-style-type: none"> • Disposal of refuse/Sewage • Disposal of human excreta • Disposal of the dead • Involvement of governmental and non- governmental organizations in environmental health • Act Regulation the environment :National Pollution Control board • Public health Laws related to environment health • Food hygiene: Production, Preservation, Purchase, Preparation and consumption • Acts Regulating Food Hygiene • Prevention of food adulteration acts, • Drugs and cosmetic act • Socio cultural aspects of nutrition in food hygiene <p>Socio-Cultural</p> <ul style="list-style-type: none"> • Customs, taboos • Marriage System • Family Structure • Status of special Group; Females, Children Elderly, • Challenged Groups and Sick persons • Life Style • Hygiene <ul style="list-style-type: none"> • Physical Activity • Recreation and Sleep • Sexual life 		
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			<ul style="list-style-type: none">• Spiritual life• philosophy• Self Reliance• Dietary pattern• Education• Occupation• Financial Management<ul style="list-style-type: none">• Income• Budget• Purchasing power• Security		
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III	10	<ul style="list-style-type: none"> Describe concept aims, scope, uses Methods and approach of epidemiology 	Epidemiology <ul style="list-style-type: none"> Definition ,concept, Aims, scope uses and Terminology used in epidemiology Dynamics of Disease Epidemiological triad Morbidity and mortality: Measurements Levels of Prevention Methods of epidemiology of <ul style="list-style-type: none"> Descriptive Analytical: Epidemic investigations Experimental 	<ul style="list-style-type: none"> Lecturer Discussion Explain using Charts, graphs, Models, films, slides 	<ul style="list-style-type: none"> Essay type Short answers

IV	18	<ul style="list-style-type: none"> Describe Epidemiology and nursing management of common Communicable diseases 	<p>Epidemiology and nursing management of common Communicable Diseases</p> <ul style="list-style-type: none"> Respiratory infections <ul style="list-style-type: none"> Small Pox Chicken Pox Measles Influenza Rubella ARI's & Pneumonia Mumps Diphtheria Whooping cough Meningococcal meningitis Tuberculosis SARS Intestinal Infections <ul style="list-style-type: none"> Poliomyelitis Viral Hepatitis Cholera Diarrhoeal diseases Typhoid Fever Food poisoning Amoebiasis Hookworm Infection Ascariasis Dracunculiasis Arthropod infections <ul style="list-style-type: none"> Dengue Malaria Filariasis Zoonoses 	<ul style="list-style-type: none"> Lecturer Discussion Explain using Charts, Graphs Models, films, slides Seminar Supervised field Practice-health centers, clinics and homes Group projects/ Health education 	<ul style="list-style-type: none"> Essay type Short answers Objective type
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			<p>Viral</p> <ul style="list-style-type: none">• Rabies• Yellow fever• Japanese encephalitis• Kyasnur Forest Diseases <p>• Bacterial</p> <ul style="list-style-type: none">• Brucellosis• Plague• Human Salmonellosis• Anthrax• Leptospirosis <p>• Rickettsial diseases</p> <ul style="list-style-type: none">• Rickettsia l Zoonoses• Scrubtyphus• Murinetyphus• Ticktyphus• Qfever <p>• Parasitic zoonoses</p> <ul style="list-style-type: none">• Taeniasis• Hydatiddisease• Leishmaniasis <p>• Surface infection</p> <ul style="list-style-type: none">• Trachoma• Tetanus• Leprosy• STD &RTI• Yaws• HIV <p>Any other</p>		
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V	8	<ul style="list-style-type: none"> Describe Epidemiology and nursing management of common Non-Communicable diseases 	Epidemiology and nursing management of Non-communicable diseases <ul style="list-style-type: none"> Malnutrition: under nutrition, over nutrition, nutritional deficiencies Anemia Hypertension Stroke Rheumatic Heart Diseases Coronary Heart Diseases Cancer Diabetes mellitus Blindness Accidents Mental illness Obesity Iodine Deficiency Fluorosis 	<ul style="list-style-type: none"> Lecture, Discussion Explain using Charts, graphs, Models, films, slides, Seminar Supervised field Practice-health centers, clinics and homes group projects/ Health education 	<ul style="list-style-type: none"> Essay type Short answers Objective type
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			<ul style="list-style-type: none"> • Epilepsy • Asthma • Arthritis 		
VI	6	<ul style="list-style-type: none"> • Describe the concepts And scope of demography Describe methods of data collection, analysis and interpretation of demographic Data 	Demography <ul style="list-style-type: none"> • Definition, concept and scope • Demography cycle • Methods of data collection, analysis and interpretation of demographic data • Demographic rates and ratios 	<ul style="list-style-type: none"> • Lecture, Discussion 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of survey report
VII	17	<ul style="list-style-type: none"> • Identify the impact of population explosion in India • Describe methods of population control 	Population and its control <ul style="list-style-type: none"> • Population explosion, its impact on social, economic development of individual, society and country • Population control: • Overall development: women empowerment, social, economic and educational development • Limiting family size: <ul style="list-style-type: none"> < Promotion of small family norms < Methods: spacing (natural, biological, chemical, mechanical, etc) < Terminal: surgical methods <Emergency Contraception 	<ul style="list-style-type: none"> • Lecture, Discussion • Population survey • Counseling • Demonstration • Practice session • Supervised field practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of Survey report

VIII	5	<ul style="list-style-type: none"> • Describes Social issues • Understand the Resettlement and rehabilitation of people: its problems and concerns. Case studies • Understand the 	Social issues and the environment <ul style="list-style-type: none"> • From unsustainable to sustainable development • Urban problems related to energy • Resettlement and rehabilitation of people :I ts problems and concerns. Case studies 	<ul style="list-style-type: none"> • Lecture, Discussion • Population survey • Counseling • Demonstration • Practice session • Supervised field practice 	<ul style="list-style-type: none"> • Essay type • Short answers
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		<p>Environment al ethics: issues and possible solutions Understands Climate change,global warming, acid rain, ozone layer depletion, Nuclear accidents and nuclear accidents and nuclear holocaust</p>	<p>1) Environmental ethics: issues and possible solutions 2) Climate change,global warming, acid rain, ozone layer depletion, Nuclear accidents and nuclear accidents and nuclear holocaust.Case studies 3) Wasteland reclamation 4) Consumerism and waste products 5) Environment and human health 6) Role of information technology in environment and human health.</p>		
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COMMUNITY HEALTH NURSING

G-I PRACTICAL

Placement: Second Year

135 hours

Objective of Practical Experience: (CHN – Practical I)

At the end of the Practical Experience:

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

Distribution of practical HRS:

- **Urban Public Health Experience:** **70Hrs.**
 - Community Health NSG. Laboratory/Classroom Practice: 15Hrs
 - Demonstration of Home visiting
 - Demonstration of Home Nursing procedures.
 - Preparation of family folder
 - Family oriented care: 35Hrs
 - Assessment of individuals
 - Home visiting writing family care study.
 - Simple family / community health survey
 - Reporting & Recording
 - Visit to community Health agency/NGOS: 10Hrs
 - Health Education: 10Hrs
- **Rural Public Health Experience:** **65Hrs (2wks)**
 - Visit to primary health centre & Rural Hospital: 25Hrs
 - Attending immunization & ANC Clinics: 20Hrs
 - Home visits for assessment & planning home care: 10Hrs
 - Health Education in clinics/school/Anganwadi etc.: 10Hrs

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

Medical Surgical Nursing
(Adult including Geriatrics) – I

Placement -Second Year

Time - Theory – 210 hours
Practical – 720 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	10	<p>Appreciate the trends in medical and surgical nursing</p> <p>Describe the role of nurse in caring for adult patient in hospital and community</p> <p>Describe the concepts of medical surgical asepsis</p>	<p>Introduction :</p> <ul style="list-style-type: none"> • Introduction to medical surgical nursing – evolution and trends of medical and surgical nursing • Review of Concepts of Health and illness • Disease - concepts, causations, classification diseases (ICD -10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness • Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process • Role of nurse, patient and family in care of adult patient • Role and responsibilities of a nurse in medical surgical settings : <ul style="list-style-type: none"> ▫ Out-patient department ▫ In-patient unit ▫ Intensive care unit ▫ Home and Community settings • Introduction to Medical Surgical asepsis : <ul style="list-style-type: none"> ▫ Inflammation & Infection ▫ Immunity ▫ Wound healing • Care of Surgical Patient : <ul style="list-style-type: none"> ▫ Pre-operative ▫ Intra-operative ▫ Post-operative 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Supervised clinical practice 	<p>- Short answers</p> <p>- Objective type question</p> <p>- Assessment of skills with check list</p>
II	15	Describe the common signs, symptoms,	<p>Common signs and symptoms and management</p> <ul style="list-style-type: none"> • Fluid and electrolyte imbalance • Vomiting • Dyspnea and cough, respiratory 	<ul style="list-style-type: none"> • Lecture Discussion • Seminar • Case discussion 	<p>- Short answers</p> <p>- Objective type question</p>

		problems and their specific nursing interventions	obstruction <ul style="list-style-type: none"> • Fever • Shock • Unconsciousness, Syncope • Pain • Incontinence • Edema • Age related problems – Geriatric 		
III	20	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory system	Nursing management of patients (adults including elderly) with respiratory problems : <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with – <ul style="list-style-type: none"> □ Upper Respiratory tract infections ▫ Bronchitis ▫ Asthma ▫ Emphysema ▫ Empyema ▫ Atelectasis □ Chronic Obstructive Pulmonary Diseases (COPD) <ul style="list-style-type: none"> ▫ Bronchiectasis ▫ Pneumonia ▫ Pulmonary Tuberculosis ▫ Lung abscess ▫ Pleural effusion ▫ Cysts and Tumours ▫ Chest injuries □ Respiratory arrest and insufficiency □ Pulmonary embolism Special therapies, alternative therapies, nursing procedures Drugs used in treatment of respiratory disorders	<ul style="list-style-type: none"> • 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 question - Assessment of skills with check list - Assessment of patient management problem
IV	30	Describe the etiology, pathophysiology clinical	Nursing management of patient (adults including elderly) with disorders of digestive system : <ul style="list-style-type: none"> • Review of anatomy and physiology of digestive system 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, 	- Essay type - Short answers - Objective

		manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive system	<ul style="list-style-type: none"> • Nursing Assessment –History and physical assessment • Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management • Disorders of : <ul style="list-style-type: none"> □ Oral cavity – lips, gums, tongue, salivary glands and teeth □ Oesophagus - inflammation stricture, obstruction, bleeding and tumours □ Stomach and duodenum - hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis □ Small intestinal disorders - inflammation & infection, enteritis, mal-absorption, obstruction, tumour and perforation □ Large intestinal disorders- colitis, inflammation and infection, obstruction and tumour and lump □ Hernias □ Appendix – inflammation, mass, abscess, rupture □ Anal & Rectum - hemorrhoids, fissures, fistulas □ Peritonitis / Acute abdomen □ Pancreas - inflammation, cyst, abscess and tumours □ Liver - inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours □ Gall Bladder - inflammation, obstruction, stones and tumours <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system</p>	<p>Models, films, slides</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Case discussions / Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<p>type question</p> <ul style="list-style-type: none"> - Assessment of skills with check list - Assessment of patient management problem
V	30	Describe the etiology, pathophysiology, clinical manifestations	<p>Nursing management of patient (adults including elderly) with blood and cardio vascular problems :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of blood and cardiovascular system, 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type

		<p>ons, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems</p> <p>Describe the vascular conditions and its nursing management</p>	<ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – • Vascular system <ul style="list-style-type: none"> ▫ Hypertension, Hypotension ▫ Artherosclerosis ▫ Raynaud's disease ▫ Aneurism and Perpherial vascular disorders <p>Heart</p> <ul style="list-style-type: none"> • Coronary artery diseases <ul style="list-style-type: none"> ▫ Ischemic Heart Disease ▫ Cornory atherosclerosis ▫ Angina pectoris ▫ Myocardial infarction • Valvular disorders of the heart <ul style="list-style-type: none"> ▫ Congential and acquired ▫ Rheumatic Heart diseases • Endocarditis, Pericarditis Myocarditis • Cardio Myopathies • Cardiac dysrhythmias, Heart Block • Congestive cardiac failure <ul style="list-style-type: none"> ▫ Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade • Cardiac emergencies and arrest • Cardio Pulmonary Resuscitation (CPR) • Blood <ul style="list-style-type: none"> ▫ Anaemias ▫ Polycythemia ▫ Bleeding disorders, clotting factor defects and platelets defects ▫ Thalassemia ▫ Leukaemias ▫ Leukopenias and Agranulocytosis ▫ Lymphomas ▫ Myelomas • Special therapies <ul style="list-style-type: none"> ▫ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. 	<p>films, slides</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Visit to blood bank • Participation in blood donation camps • Counselling 	<p>question</p> <ul style="list-style-type: none"> - Assessment of skills with check list - Assessment of patient management problem
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			<ul style="list-style-type: none"> □ Management & counselling of blood donors, phlebotomy procedure & post donation management Blood bank functioning & hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion □ Role of a nurse in Organ donation, retrieval and banking <p>Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders</p>		
VI	10	Describe the etiology, pathophysiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<p>Nursing management of patient (adults including elderly) with genito-urinary problems :</p> <ul style="list-style-type: none"> ▯ Review of anatomy and physiology of genito-urinary system ▯ Nursing Assessment –History and Physical assessment ▯ Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics and nursing management of – ▯ Nephritis ▯ Nephrotic syndrome ▯ Nephrosis ▯ Renal calculus ▯ Tumours ▯ Acute renal failure ▯ Chronic renal failure ▯ End stage renal disease ▯ Dialysis & renal transport ▯ Congenital disorders, urinary infections ▯ Benign prostate hypertrophy ▯ Disorders of ureter, urinary bladder and urethra - inflammation, infection, stricture, obstruction, tumour, prostrate <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genito-urinary disorders</p>	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<p>- Essay type</p> <p>- Short answers</p> <p>- Objective type question</p> <p>- Assessment of skills with check list</p> <p>- Assessment of patient management problem</p>
VII	5	Describe the etiology,	<p>Nursing management of disorders of male (adults including elderly) reproductive system :</p>	<ul style="list-style-type: none"> • Lecture Discussion • Explain 	<p>- Essay type</p> <p>- Short</p>

		<p>pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system</p>	<ul style="list-style-type: none"> ▢ Review of anatomy and physiology of male reproductive system ▢ Nursing Assessment -History and physical assessment ▢ Etiology,Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of male reproductive system - ▢ Congenital malformations; cryptorchidism ▢ Hypospadiasis & Epispadiasis ▢ Infections ▢ Testis and adjacent structures ▢ Penis ▢ Prostate - inflammation, infection, hypertrophy, tumour ▢ Sexual Dysfunction ▢ Infertility ▢ Contraception ▢ Breast : Gynecomastia, tumour ▢ Climacteric changes <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system</p>	<p>using charts, graphs, Models, films, slides</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<p>answers</p> <ul style="list-style-type: none"> - Objective type question - Assessment of skills with check list - Assessment of patient management problem
VIII	10	<p>Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system</p>	<p>Nursing management of patient (adults including elderly) with disorders of endocrine system :</p> <ul style="list-style-type: none"> ▢ Review of anatomy and physiology endocrine system ▢ Nursing Assessment - History and Physical assessment ▢ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – ▢ Disorders of Thyroid and Parathyroid ▢ Diabetes mellitus ▢ Diabetes insipidus ▢ Adrenal tumour ▢ Pituitary disorders <p>Special therapies, alternative therapies</p>	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type question - Assessment of skills with check list - Assessment of patient management problem

			Nursing procedures Drugs used in treatment of disorders of endocrine system	<ul style="list-style-type: none"> • Drug book/ presentation 	
IX	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin	Nursing management of patient (adults including elderly) with disorders of Integumentary system : <ul style="list-style-type: none"> ▮ Review of anatomy and physiology of skin and its appendages ▮ Nursing Assessment -History and Physical assessment ▮ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of skin and its appendages ▮ Lesions and abrasions ▮ Infection and infestations; Dermatitis ▮ Dermatoses - Infectious and Non infectious “inflammatory dermatoses” ▮ Acne Vulgaris ▮ Allergies and Eczema ▮ Psoriasis ▮ Malignant melanoma ▮ Alopecia Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Integumentary system	<ul style="list-style-type: none"> • 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 question - Assessment of skills with check list - Assessment of patient management problem
X	15	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with	Nursing management of patient (adults including elderly) with musculo-skeletal problems : <ul style="list-style-type: none"> • Review of anatomy and physiology of musculo-skeletal system ▮ Nursing Assessment -History and Physical assessment ▮ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – • Disorders of - ▮ Muscles, Ligaments and Joints - inflammation, infection, trauma ▮ Bones –inflammation, infection, 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education 	- Essay type - Short answers - Objective type question - Assessment of skills with check list - Assessment of patient

		disorders of musculo skeletal system	<p>dislocation, fracture, tumour and trauma</p> <ul style="list-style-type: none"> ▯ Osteomalacia and Osteoporosis ▯ Arthritis ▯ Congenital deformities ▯ Spinal column – defects & deformities, Tumor, Prolapsed inter vertebral disc, pott's spine ▯ Paget's disease • Amputation • Prosthesis • Transplant & replacement surgeries • Rehabilitation <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of musculoskeletal system</p>	<ul style="list-style-type: none"> • Supervised clinical practice • Drug book/ presentation 	managemen t problem
XI	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of immunological system.	<p>Nursing management of patient (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> • Review of immune system ▯ Nursing Assessment - History and Physical assessment ▯ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – ▯ Immunodeficiency disorder ▯ Primary immuno deficiency ▯ Phagocytic dysfunction ▯ B-cell and T-cell deficiencies ▯ Secondary immuno-deficiencies ▯ Acquired immunodeficiency syndrome (AIDS) ▯ Incidence of HIV & AIDS ▯ Epidemiology ▯ Prevention of Transmission ▯ Standard Safety precautions ▯ Role of Nurse, Counselling ▯ Health education and home care consideration ▯ National AIDS Control Program- NACO, various national and international agencies ▯ Infection control program ▯ Rehabilitation 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Orientation visit to Hospital Infection Control System 	<p>- Essay type</p> <p>- Short answers</p> <p>- Objective type question</p> <p>- Assessment of skills with check list</p> <p>- Assessment of patient management problem</p>

			Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system		
XII	20	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases	Nursing management of patient (adults including elderly) with Communicable Diseases <ul style="list-style-type: none"> • Overview of infectious disease, the infectious process • Nursing Assessment - History and Physical assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics • Control and eradication of common Communicable Diseases <ul style="list-style-type: none"> ▫ Tuberculosis ▫ Diarrhoeal diseases ▫ Hepatitis A - E ▫ Herpes ▫ Chickenpox ▫ Smallpox ▫ Typhoid ▫ Meningitis ▫ Gas gangrene ▫ Leprosy ▫ Dengue ▫ Plague ▫ Malaria ▫ Diphtheria ▫ Pertussis ▫ Poliomyelitis ▫ Measles ▫ Mumps ▫ Influenza ▫ Tetanus ▫ Yellow fever ▫ Filariasis ▫ HIV, AIDS • Reproductive Tract Infections • Special Infection control measures - Notification, Isolation, Quarantine, Immunization, Infectious disease of hospitals, Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases	<ul style="list-style-type: none"> • 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 question - Assessment of skills with check list - Assessment of patient management problem

XIII	25	<p>Describe the organisation and physical set up of Operation Theatre</p> <p>Identify the various instruments and equipments 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 Peri-operative nursing care</p>	<p>Peri operative nursing :</p> <ul style="list-style-type: none"> • Organisation and Physical set up of the Operation Theatre (O.T.) : <ul style="list-style-type: none"> ▫ Classifications ▫ O.T. Design ▫ Staffing ▫ Members of the OT team ▫ Duties and responsibilities of nurse in O.T. ▫ Principles of Health and operating room attire ▫ Instruments ▫ Sutures & suture materials ▫ Equipments ▫ O.T. tables and sets for common surgical procedures ▫ Positions and draping for common surgical procedures ▫ Scrubbing procedures ▫ Gowning and gloving ▫ Preparation of O.T. Sets ▫ Monitoring the patient during surgical procedures • Maintenance of therapeutic environment in O.T • Standard Safety measures - <ul style="list-style-type: none"> ▫ Infection control : fumigation, disinfection and sterilisation ▫ Biomedical waste management ▫ Prevention of accidents and hazards in O.T. • Anaesthesia <ul style="list-style-type: none"> ▫ Types ▫ Methods of administration ▫ Effects and Stages ▫ Equipments ▫ Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, models, films, slides • Demonstration • Practice session • Case discussions / Seminar • Health education • Supervised clinical practice • Drug book / presentation 	<p>- Essay type</p> <p>- Short answers</p> <p>- Objective type question</p> <p>- Assessment of skills with check list</p>
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Medical Surgical Nursing -I Practical
(Adult including Geriatrics)

Placement - Second Year

Time - 720 hours

Areas	Durati on (in week)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (Respira tory, GI, Endocri ne, Renal, Hemotol ogy	6	<ul style="list-style-type: none"> • Provide nursing care to adult patients with medical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of the patient <ul style="list-style-type: none"> ▫ Taking history ▫ Perform general and specific physical examination ▫ Identify alterations and deviations • Practice medical surgical asepsis standard safety measures • Administer medications <ul style="list-style-type: none"> ▫ Oral, IV, IM, Subcutaneous, IV therapy ▫ IV canulation ▫ Maintenance and monitoring • Oxygen therapy by different methods • Nebulization • Chest physiotherapy • Naso gastric feeding • Assist in common diagnostic • Perform/Assist in therapeutic procedures • Blood and component therapy • Throat Suctioning • Collect specimens for common investigations • Maintain elimination <ul style="list-style-type: none"> ▫ Catheterisation ▫ Bowel wash ▫ Enema ▫ Urinary drainage • Maintain Intake, 	<ul style="list-style-type: none"> • Assign 3 - 4 patients for giving planned nursing care • Prepare 2 nursing care plan • 1 - Nursing case study & presentation including drug • Maintain drug book • Maintain practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • Evaluation of case study / presentation • Completion of practical record

			output and documentation <ul style="list-style-type: none"> • Counsel and teach related to specific disease conditions 		
General Surgical Ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> • Provide pre and post operative nursing care to adult patients with surgical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Practice medical surgical asepsis standard safety measures • Pre operative preparation of patients (along with drugs) • Post operative care - Receiving patient, assessment, monitoring care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care : <ul style="list-style-type: none"> ▫ Gastrostomy ▫ Colostomy ▫ Enterostomy • Blood & component therapy • Practice universal precautions 	<ul style="list-style-type: none"> • Plan and give care to 3 - 4 assigned patients • Nursing care plan- 2 • Nursing case study / presentation – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • Evaluation of case study / presentation • Completion of activity record
Cardiology ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Physical examination of 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 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Nursing care plan- 1 • Nursing case study / presentation / Health talk – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • Evaluation of case study / presentation / health talk • Completion of activity record

			<ul style="list-style-type: none"> • Teach patients and families • Practice medical and surgical asepsis – Standard safety measures 		
Skin & Communicable diseases Ward	1	<ul style="list-style-type: none"> • Identify skin problems • Provide nursing care to patients with skin disorders & Communicable diseases • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of patients with skin disorders • Assist in diagnostic and therapeutic procedures • Administer topical medication • Practice medical surgical asepsis – Standard safety measures • Use of personal protective equipment (PPE) • Give medicated baths • Counselling HIV positive patients • Teach prevention of infectious diseases 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Health talk / Counselling HIV positive patients and families – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation health talk / Counselling session • Completion of activity record
Orthopaedic ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with musculo-skeletal disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • 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 manoeuvring technique • Activities of daily living • Ambulation • Teach and counsel patients & families 	<ul style="list-style-type: none"> • Plan & give care to 2-3 assigned patients • Nursing care plan- 1 • Nursing case study / presentation – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of nursing care plan & nursing case study / presentation • Completion of activity record

Operation Theatre	6	<ul style="list-style-type: none"> Identify instruments used in common operations Participate in infection control practices in the Operation Theatre Set-up the table / trolleys for common operative procedures Assist in giving anaesthesia Assist in the operative procedures Provide peri-operative nursing care 	<ul style="list-style-type: none"> Scrubbing, gowning gloving Identify instruments, suturing materials for common operations Disinfection, Carbolization, fumigation Preparation of instrument sets for common operations Sterilization of sharps and other instruments Prepare the OT table depending upon the operation Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operations Handling specimens Disposal of waste as per the guidelines 	<ul style="list-style-type: none"> Assist as a circulatory nurse in <ul style="list-style-type: none"> * Major cases- 10, * Minor cases – 5 Assist as a scrub nurse in <ul style="list-style-type: none"> * Major cases- 10, * Minor cases – 5 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Completion of activity record
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Pharmacology, Pathology and Genetics

Pharmacology

Placement : Second Year

Time : Theory 45 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
I	3	<ul style="list-style-type: none"> Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration 	Introduction <ul style="list-style-type: none"> Definition Sources Terminology used Types : Classification Pharmacodynamics: Actions, therapeutic Adverse, toxic Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion Review : Routes and principles of administration of drugs Indian pharmacopoeia : Legal issues Rational use of drugs Principles of therapeutics 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	6	<ul style="list-style-type: none"> Explain chemotherapy of specific infection and infestations and nurse's responsibilities 	Chemotherapy <ul style="list-style-type: none"> Pharmacology of commonly used; <ul style="list-style-type: none"> Penicillin Cephalosporins Aminoglycosides Macrolide & Broad Spectrum Antibiotics Sulfonamides Quinolones Antiamoebic Antimalarials Anthelmintics Antiscabies agents Antiviral & anti-fungal agents Antitubercular drugs Anti leprosy drugs Anticancer drugs Immuno-suppressants <p>Composition, action, dosage,</p>	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
III	2	<ul style="list-style-type: none"> Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities 	Pharmacology of commonly used antiseptics, disinfectants and insecticides <ul style="list-style-type: none"> Antiseptics; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse Disinfectants Insecticides 	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
IV	2	<ul style="list-style-type: none"> Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities 	Drugs acting on G.I system <ul style="list-style-type: none"> Pharmacology of commonly used <ul style="list-style-type: none"> Antiemetics, Emetics Purgatives Antacids Cholinergic Anticholinergics Fluid and electrolyte therapy Anti diarrhoeals Histamines <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
V	2	<ul style="list-style-type: none"> Describe Drugs used on Respiratory Systems and nurse's responsibilities 	Drugs used on Respiratory Systems <ul style="list-style-type: none"> Pharmacology of commonly used- <ul style="list-style-type: none"> Antiasthmatics Mucolytics Decongestants Expectorants Antitussives Bronchodilators Broncho constrictors Antihistamines <p>Composition, action, dosage, route, indications, contraindications, drug</p>	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			interactions, side effects, adverse effects, toxicity and role of nurse		
VI	2	<ul style="list-style-type: none"> Describe Drugs used on Urinary system and nurse's responsibilities 	Drugs used on Urinary System <ul style="list-style-type: none"> Pharmacology of commonly used- <ul style="list-style-type: none"> Diuretics and antidiuretics Urinary antiseptics Cholinergic and anticholinergics Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
VII	4	<ul style="list-style-type: none"> Describe Drugs used in De-addiction, emergency, deficiency, of vitamins & minerals, poisoning, immunization, immune-suppression and nurse's responsibilities 	Miscellaneous <ul style="list-style-type: none"> Drugs used in de-addiction Drugs used in CPR and emergency Vitamins and minerals Immunosuppresants Antidotes Antivenom Vaccines and sera 	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
VIII	1	<ul style="list-style-type: none"> Describe Drugs used on skin and mucous membranes and nurse's responsibilities 	Drugs used on skin and mucous membranes <ul style="list-style-type: none"> Topical applications for skin, eye, ear, nose and buccal cavity , Antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type
IX	8	<ul style="list-style-type: none"> Describe Drugs used on Nervous system and nurse's responsibilities 	Drugs acting on Nervous system <ul style="list-style-type: none"> Basic & applied pharmacology of commonly used: Analgesics and Anaesthetics <ul style="list-style-type: none"> Analgesics <ul style="list-style-type: none"> Non steroidal anti-inflammatory (NSAID) 	<ul style="list-style-type: none"> Lecture Discussion Drug study / presentation 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<p>drugs</p> <ul style="list-style-type: none"> ▪ Antipyretics ▪ Hypnotics and Sedatives <ul style="list-style-type: none"> - Opioids - Non-Opioids - Tranquilizers - General & local anesthetics - Gases: oxygen, nitrous oxide, carbon-dioxide • Cholinergic and anti-cholinergics: <ul style="list-style-type: none"> ▪ Muscle relaxants ▪ Major tranquilizers ▪ Anti-psychotics ▪ Antidepressants ▪ Anticonvulsants ▪ Adrenergics ▪ Noradrenics ▪ Mood stabilizers ▪ Acetylcholine ▪ Stimulants <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
X	5	<ul style="list-style-type: none"> • Describe Drugs used on Cardio-vascular system and nurse's responsibilities 	<p>Cardiovascular drugs</p> <ul style="list-style-type: none"> • Haematinics • Cardiotonics, • Anti anginals • Anti-hypertensives & vasodilators • Anti- arrhythmics • Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> • Lecture Discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Short answers • Objective type
XI	4	<ul style="list-style-type: none"> • Describe drugs used for hormonal disorders and 	<p>Drugs used for hormonal disorders and supplementation,</p>	<ul style="list-style-type: none"> • Lecture Discussion • Drug study 	<ul style="list-style-type: none"> • Short answers • Objective

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
		supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	contraception and medical termination of pregnancy <ul style="list-style-type: none"> • Insulin's & Oral hypoglycemic • Thyroid supplements and suppressants • Steroids, Anabolics • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen – progesterone preparations • Corticotrophine & Gonadotropines • Adrenaline • Prostaglandins • Calcitonins • Calcium salts • Calcium regulators Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse.	/ presentation	type

XII	6	<ul style="list-style-type: none"> • Demonstrate awareness of the common drugs used in alternative system of medicine 	Introduction to Drugs used in alternative system of medicine: <ul style="list-style-type: none"> • Ayurveda, Homeopathy, Unani and Siddha etc. 	<ul style="list-style-type: none"> • Lecture Discussion • Observational visit 	<ul style="list-style-type: none"> • Short answers • Objective type

Pathology

Placement: Second Year

Time: Theory 30 Hours

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)		Objectives	Content	Teaching Learning Activities	Assessment method
	Th	Pr.				

I	3		<ul style="list-style-type: none"> • Define the common terms used in pathology. • Appreciate the deviations from normal to abnormal structure and functions of the body system. 	<ul style="list-style-type: none"> • Introduction: - <ul style="list-style-type: none"> <input type="checkbox"/> Importance of the study of pathology <input type="checkbox"/> Definition of terms <input type="checkbox"/> Methods and techniques <input type="checkbox"/> Cellular and Tissue changes. <input type="checkbox"/> Infiltration and generation <input type="checkbox"/> Inflammations and Infections <input type="checkbox"/> Wound healing <input type="checkbox"/> Vascular changes • Cellular growth, Neoplasms: <ul style="list-style-type: none"> <input type="checkbox"/> Normal & Cancer cell <input type="checkbox"/> Benign and Malignant growths <input type="checkbox"/> In situ carcinoma <input type="checkbox"/> Disturbances of fluid and electrolyte imbalance 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts 	<ul style="list-style-type: none"> • Short answers • Objective type
II	10	5	<ul style="list-style-type: none"> • Explain pathological changes in disease condition of various system 	<p>Special Pathology: -</p> <ul style="list-style-type: none"> • Pathological changes in disease conditions of various systems. • Respiratory tract <ul style="list-style-type: none"> <input type="checkbox"/> Tuberculosis, Bronchitis, Pleural effusion and pneumonia. <input type="checkbox"/> Lung abscess, emphysema, bronchiectasis. <input type="checkbox"/> Bronchial asthma, chronic obstructive pulmonary disease & tumours. • Cardio – vascular system: - 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides, specimen, X-rays and scans • Visit to Pathology lab, endoscopy unit and OT 	<ul style="list-style-type: none"> • Short answers • Objective type

Unit	Time (Hrs)		Objectives	Content	Teaching Learning Activities	Assessment method
	Th	Pr.				
				<ul style="list-style-type: none"> <input type="checkbox"/> Pericardial effusion <input type="checkbox"/> Rheumatic heart disease <input type="checkbox"/> Infective endocarditis, atherosclerosis <input type="checkbox"/> Ischemia, infarction & aneurysm. • Gastro Intestinal Tract: <ul style="list-style-type: none"> <input type="checkbox"/> Peptic ulcer, typhoid <input type="checkbox"/> Carcinoma of GI tract – buccal, Esophageal, <input type="checkbox"/> Gastric & intestinal • Liver, Gall bladder→ & pancreas: - <ul style="list-style-type: none"> <input type="checkbox"/> Hepatitis, Chronic liver abscess, cirrhosis <input type="checkbox"/> Tumours of liver, gall bladder and pancreas. <input type="checkbox"/> Cholecystitis • Kidneys & Urinary tract <ul style="list-style-type: none"> <input type="checkbox"/> Glomerulonephritis, Pyelonephritis <input type="checkbox"/> Calculi, renal failure, renal carcinoma & cystitis. • Male genital systems: <ul style="list-style-type: none"> <input type="checkbox"/> Cryptorchidism, testicular atrophy <input type="checkbox"/> Prostatic hyperplasia, carcinoma penis & prostate • Female genital systems <ul style="list-style-type: none"> <input type="checkbox"/> Fibroids <input type="checkbox"/> Carcinoma cervix and Endometrium. <input type="checkbox"/> Vesicular mole, Choriocarcinoma <input type="checkbox"/> Ectopic gestation <input type="checkbox"/> Ovarian cyst & tumours • Cancer Breast: • Central nervous System: <ul style="list-style-type: none"> <input type="checkbox"/> Hydrocephalus, Meningitis, encephalitis <input type="checkbox"/> Vascular disorders – thrombosis, embolism <input type="checkbox"/> Stroke, Paraplegia, quadriplegia 		

Unit	Time (Hrs)		Objectives	Content	Teaching Learning Activities	Assessment method
	Th	Pr.				
				<ul style="list-style-type: none"> <input type="checkbox"/> Tumours, meningiomas –gliomas • Metastatic tumours: • Skeletal system: <ul style="list-style-type: none"> <input type="checkbox"/> Bone healing, osteoporosis, osteomyelitis. <input type="checkbox"/> Arthritis & tumours: 		
III	4	3	<ul style="list-style-type: none"> • Describe various laboratory tests in assessment and monitoring of disease condition. 	Clinical Pathology <ul style="list-style-type: none"> • Various blood and bone marrow test in assessment and monitoring of disease conditions: <ul style="list-style-type: none"> <input type="checkbox"/> Hemoglobin <input type="checkbox"/> RBC, White cell & platelet counts <input type="checkbox"/> Bleeding time, clotting time and prothrombine time <input type="checkbox"/> Blood grouping and cross matching <input type="checkbox"/> Blood chemistry <input type="checkbox"/> Blood culture <input type="checkbox"/> Serological and immunological tests <input type="checkbox"/> Other blood tests <input type="checkbox"/> Examination of Bone marrow. <input type="checkbox"/> Methods of collections of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Visit to Clinical Pathology & Bio-Chemistry lab and Blood bank 	<ul style="list-style-type: none"> • Short answers • Objective type
IV	2	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of body cavity fluids, transudates and exudates 	Examination of body cavity fluids, transudates and exudates: <ul style="list-style-type: none"> • The laboratories 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 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type

Unit	Time (Hrs)		Objectives	Content	Teaching Learning Activities	Assessment method
	Th	Pr.				
				importance in infertility. • Methods of collection of CSF and other cavity fluids, → specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values.		
V	1	1	• Describe the laboratory test for the examination of urine and faeces.	Urine and faeces • Urine: <ul style="list-style-type: none"> <input type="checkbox"/> Physical characteristics <input type="checkbox"/> Analysis <input type="checkbox"/> Culture and sensitivity • Faeces: <ul style="list-style-type: none"> <input type="checkbox"/> Characteristics <input type="checkbox"/> 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

Genetics

Placement : Second Year

Time : Theory 15 hours

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

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

III	2	<ul style="list-style-type: none">• Explain the screening	Genetic testing in the neonates and children:	<ul style="list-style-type: none">• Lecture Discussion	<ul style="list-style-type: none">• Short answers
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Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment method
		methods for genetic defects and diseases in neonates and children.	Screening for: <ul style="list-style-type: none"> <input type="checkbox"/> Congenital abnormalities <input type="checkbox"/> Development delay. <input type="checkbox"/> Dysmorphism 	<ul style="list-style-type: none"> Explain using charts, slides 	<ul style="list-style-type: none"> Objective type
IV	2	<ul style="list-style-type: none"> Identify genetic disorders in adolescents and adults 	Genetic conditions of adolescents and adults: <ul style="list-style-type: none"> Cancer genetics – Familial Cancer. Inborn errors of metabolism. Blood group alleles and hematological disorder. Genetics haemochromatosis. Huntington's disease. Mental illness 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective type
V	5	<ul style="list-style-type: none"> Describe the role of nurse in genetic service and counseling 	<ul style="list-style-type: none"> Services related to Genetics: <ul style="list-style-type: none"> Genetic testing Human genome project. Gene therapy. The Eugenics movement. Genetic Counseling. Legal and Ethical issues Role of nurse 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type

SOCIOLOGY

Placement: Second Year

Theory – 60 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.

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

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

Unit	Time (Hrs)	Learning Objective	Contents	Teaching Learning Activities	Assessment Methods
I	01	State the importance of sociology in Nursing	Introduction <ul style="list-style-type: none">• Definition of Sociology• Nature and Scope of the discipline• Importance and application of Sociology in Nursing	<ul style="list-style-type: none">• Lecture• Discussion	<ul style="list-style-type: none">• Essay type• Short answers
II	03	Describe the interrelationship of individual in society and community	Individual & Society <ul style="list-style-type: none">• Society and Community• Nature of Society• Difference between society and community• Process of socialization and individualization• Personal disorganization	<ul style="list-style-type: none">• Lecture• Discussion	<ul style="list-style-type: none">• Essay type• Short answers
III	03	Describe the influence of culture and on health and disease	Culture <ul style="list-style-type: none">• Nature of culture• Evolution of culture• Diversity and uniformity of culture• Culture and socialization• Trans cultural society• Influence on health and disease	<ul style="list-style-type: none">• Lecture• Discussion• Panel Discussion	<ul style="list-style-type: none">• Essay type• Short answers

IV	04	Identify various social groups and their interactions	Social groups and Processes <ul style="list-style-type: none"> • The meaning and classification of groups • Primary & Secondary 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 	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
V	06	Explain the growth of population in India and its impact on health	Population <ul style="list-style-type: none"> • Society and population • Population distribution in India Demographic characteristics • Malthusian theory of populations • Population explosion in India and its impact on health status • Family welfare programmes 	<ul style="list-style-type: none"> • Lecture • Discussion • Community identification 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of report on community identification
VI	05	Describe the institutions of family and marriage in India	Family and Marriage <ul style="list-style-type: none"> • Family -Function -Types Joint, Nuclear, Blended and extended Family: <ul style="list-style-type: none"> • Characteristics • The modern family-changes, problems-dowry etc. Welfare services Changes & legislations on family and marriage in India - marriage acts <ul style="list-style-type: none"> • Marriage: Forms and functions of marriage, Marriage and family problems in India Family, marriage and their influence on health and	<ul style="list-style-type: none"> • Lecture • Discussion • Family case study 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of family case study

			health practices		
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VII	07	Describe the class and caste system and their influence on health and health practices	Social Stratification <ul style="list-style-type: none"> • Meaning & types of social stratification • The Indian Caste system origin & features • Features of Caste in India Today • Social class system and status • Social mobility-meaning & types • Race as a biological concept, criteria of racial classification • Salient features of Primary races Racism • Influence of Class, caste and Race on health and health practices 	<ul style="list-style-type: none"> • Lecture • Discussion • Community survey 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of report on community survey
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VIII	06	Describes the types of communities in India, their practices and the impact on health	Types of communities in India (Rural, Urban and Regional) <ul style="list-style-type: none"> • Features of village community & Characteristics of Indian villages Panchayat system, social dynamics • Community development project and planning • Changes in Indian Rural life • Availability of health facilities in rural and its impact on health and health practices • The growth of cities: Urbanisation and its impact on health and health practices • Major Urban problems Urban Slum • Region; problems and impact on Health 	<ul style="list-style-type: none"> • Lecture • Discussion • Visits to rural and urban community survey 	<ul style="list-style-type: none"> • Assessment of report on community survey
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IX	04	Explain the process of Social Change	Social Change <ul style="list-style-type: none"> • Nature and process of Social Change • Factors influencing Social change: cultural change, Cultural lag, culture and health (with special reference to women's health) • Introduction to Theories of social change: • Linear, Cyclical, Marxian, Functional • Role of nurse -Change agents 	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Essay type • Short answers
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X	04	Describe the Social system and interrelationship of Social organizations	Social organization and social system <ul style="list-style-type: none"> • Social organization: elements, types • Democratic and authoritarian modes of participation, • Voluntary associations • Social system: Definition and Type of social system • Role and Status as structural elements of social system. • Inter-relationship of institutions. 	<ul style="list-style-type: none"> • Lecture • Discussion • Observation visits 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of visit reports
XI	02	Explain the nature and process of social control	Social Control <ul style="list-style-type: none"> • Nature and process of social control • Political, Legal, Religious, Educational, Economic, Industrial and Technological system; Norms & Values- Folkways & Mores Customs, Laws and fashion • Role of nurse 	<ul style="list-style-type: none"> • Lecture • Discussion • Community survey 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of report on community survey
XII	15	Describe the role of the nurse in dealing with social problems in India	Social Problems <ul style="list-style-type: none"> • Social disorganization • Control & planning: poverty, housing, and illiteracy. Food supplies, prostitution, rights of women & children, vulnerable groups: elderly, handicapped minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS. • Social Welfare programmes in India • Role of nurse 	<ul style="list-style-type: none"> • Lecture • Discussion • Institutional visits 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of visit reports

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Evaluation Scheme Internal Assessment: (Theory Exam)

Maximum 25 Marks

Mid-term Examination	50 Marks	Pre-final Examination	50 Marks
Marks			

75

Total

125 Marks

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

External Assessment (Theory)

University Examination

75 Marks

Child Health Nursing

Placement - Third Year

Time -Theory - 90 hours

Practical - 270 hours

Internship - 145 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	15	<p>Explain the modern concept of child care & 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 & late childhood</p> <p>Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.</p>	<p>Introduction modern concepts of childcare :</p> <ul style="list-style-type: none"> • Internationally accepted rights of the child • National policy & legislations in relation to child health and welfare • National programmes related to child health and welfare • Agencies related to welfare services to the children • Changing trends in hospital care - preventive, promotive & curative aspects of child health • Child morbidity and mortality rates • Differences between an adult and child • Hospital environment for a sick child • Impact of hospitalization on the child and family • Grief and bereavement • The role of a Child health nurse in caring for a hospitalised child • Principles of pre and post operative care of infants and children • Child health nursing procedures 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration of common paediatric procedures 	<ul style="list-style-type: none"> - Short answers - Objective type - Assessment of skills with checklist

		Describe the principles of child health nursing			
II	20	<p>Describe the Normal growth & development of children at different ages</p> <p>Identify the needs of children at different ages & 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 & sick children</p> <p>Appreciate the preventive measures and strategies for children</p>	<p>The healthy child :</p> <ul style="list-style-type: none"> • Principles of growth and development • Factors affecting growth & development • Growth and development from birth to adolescence • The needs of normal children through the stages of developmental and parental guidance • Nutritional needs of children & infants - breast feeding, exclusive breast feeding, supplementary / artificial feeding and weaning • Baby Friendly Hospital Concept • Accidents - causes and prevention • Value of play and selection of play material • Preventive immunization, Immunization Programme and Cold chain • Preventive paediatrics • Care of under five & under five clinics / well baby clinics 	<ul style="list-style-type: none"> • Lecture Discussion • Developmental study of infant and children • Observation on study of normal and sick child • Field visit to Anganwadi, Child guidance clinic • Film show on breast feeding • Clinical practice / field 	<p>- Short answers</p> <p>- Objective type</p> <p>- Assessment of field visits and developmental study reports</p>
III	15	Provide care to normal & high risk neonates	<p>Nursing care of a neonate :</p> <ul style="list-style-type: none"> • Nursing care of a normal newborn / Essential newborn care • Neonatal resuscitation 	<ul style="list-style-type: none"> • Lecture Discussion • Workshop on 	<p>- Short answers</p> <p>- Objective type</p> <p>-</p>

		Perform neonatal resuscitation Recognize and manage common neonatal problems	<ul style="list-style-type: none"> • Nursing management of a low birth weight baby • Kangaroo mother care • Nursing management of common neonatal disorders • Organization of neonatal unit • Identification & nursing management of common congenital malformations 	neonatal resuscitation <ul style="list-style-type: none"> • Demonstration • Practice session • Clinical practice 	Assessment of skills with checklist
IV	10	-	Integrated management of neonatal and childhood illnesses (IMNCI)	-	-
V	20	Provide nursing care in common childhood diseases Identify measures to prevent common childhood diseases including immunization	Nursing management in common childhood diseases : <ul style="list-style-type: none"> • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders • Cardio vascular problem - congenital defects and rheumatic fever, rheumatic heart disease • Genitor-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, & ears • Common communicable diseases in children, their identification, nursing management in hospital and home and prevention 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Clinical practice 	- Short answers - Objective type - Assessment of skills with checklist

			<ul style="list-style-type: none"> • Child health emergencies - poisoning, foreign bodies, haemorrhage, burns & drowning • Nursing care of infant and children with HIV / AIDS 		
VI	10	<p>Manage the child with behavioural & social problems</p> <p>Identify the social & welfare services for challenged children</p>	<p>Management of behavioural & social problems in children :</p> <ul style="list-style-type: none"> • Management of common behavioural disorders • Management of common psychiatric problems • Management of challenged children - Mentally, Physically & socially challenged • Welfare services for challenged children in India • Child Guidance Clinics 	<ul style="list-style-type: none"> • Lecture Discussion • Field visits to Child Guidance Clinics, school for mentally & physically , socially challenged 	<p>- Short answers</p> <p>- Objective type</p> <p>- Assessment of field reports.</p>

Child Health Nursing – Practical

Placement - Third Year
Fourth Year
Weeks)

Time -270 hours (9 Weeks)
Internship -145 hours (3

Areas	Durati on (in weeks)	Objectives	Skills	Assignment s	Assessment Methods
Paediatric Medicine ward	3	Provide nursing care to children with various medical disorders Counsel and educate parents	<ul style="list-style-type: none"> • Taking paediatric History • Physical examination and assessment of children • Administration of oral, IM & IV medicine / fluids • Calculation of fluid requirements • Prepare different strengths of IV fluids • Apply restraints • Administer O₂ inhalation by different methods • Give baby bath • Feed children by Katori spoon, etc. • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers / parents - <ul style="list-style-type: none"> ○ Malnutrition ○ Oral rehydration therapy ○ Feeding & Weaning ○ Immunization Schedule ○ Play therapy ○ Specific Disease conditions 	Give care to 3 assigned paediatric patients Nursing Care Plan – 1 Case study/presentations-1 Health Talk -1	Assess clinical performance with rating scale Assess each skill with checklist OSCE/ OSPE Evaluation of care plan, case study/presentation & Health education session Completion of activity record

Paediatric Surgery	3	Recognize different paediatric	<ul style="list-style-type: none"> Calculate, prepare and administer I/V 	Give care to 3 assigned paediatric	Assess clinical performance with rating scale
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Ward		<p>surgical conditions / malformations</p> <p>Provide pre and post operative care to children with common paediatric surgical conditions / malformation</p> <p>Counsel and educate parents</p>	<p>fluids</p> <ul style="list-style-type: none"> • Do bowel wash • Care for ostomies : <ul style="list-style-type: none"> ○ Colostomy irrigation ○ Ureterostomy ○ Gastrostomy ○ Enterostomy • Urinary catheterization and drainage • Feeding – Naso-gastric, Gastrostomy, Jejunostomy • Care of surgical wounds – Dressing & Suture removal 	<p>surgical patients</p> <p>Nursing Care Plan – 1</p> <p>Case study/presentation-1</p>	<p>Assess each skill with checklist OSCE/ OSPE</p> <p>Evaluation of care plan, case study/presentation</p> <p>Completion of activity record</p>
Paediatric OPD/ Immunization room	1	<p>Perform assessment of children - Health, Developmental and Anthropometric</p> <p>Perform Immunization</p> <p>Give Health Education / Nutritional Education</p>	<ul style="list-style-type: none"> • Assessment of children - Health assessment, Developmental assessment, Anthropometric assessment • Immunization • Health / Nutritional Education 	Developmental study -1	<p>Assess clinical performance with rating scale</p> <p>Completion of activity record</p>
Paediatric medicine and surgery ICU	1+1	Provide nursing care to critically ill children	<ul style="list-style-type: none"> • 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 	<p>Nursing care plan - 1</p> <p>Observation report - 1</p>	<p>Assess clinical performance with rating scale</p> <p>Completion of activity record</p> <p>Evaluation of Care plan & observation report</p>

			<ul style="list-style-type: none"> • Cardio Pulmonary Resuscitation – Neonatal & Paediatric 		
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Internship

Internship -145 hours (3 Weeks)

Areas	Duration (in week)	Objective	Skills	Assessment
Paediatric medicine ward / ICU	1	Provide comprehensive care to children with medical conditions	Integrated Practice	Assess clinical performance with rating scale
Paediatric surgery ward / ICU	1	Provide comprehensive care to children with surgical conditions	Integrated Practice	Assess clinical performance with rating scale
NICU	1	Provide intensive care to neonates	Integrated Practice	Assess clinical performance with rating scale

MENTAL HEALTH NURSING

Placement: Third Year

Time: Theory-90 Hrs.

Practical – 270 Hrs

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

Unit	Time (Hrs)	Objective	Contents	Teaching Learning Activities	Assessment Methods
I	05	<ul style="list-style-type: none">• 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.	Introduction <ul style="list-style-type: none">• Perspectives of Mental Health and Mental Health Nursing: evolution of mental health services, treatments and nursing practices.• Prevalence and incidence of mental health problems and disorders.• Mental Health Act• National Mental health policy vis-a-vis National Health Policy.• National Mental Health programme.• Mental health team.• Nature and scope of mental health nursing.• Role and functions of	<ul style="list-style-type: none">• Lecture Discussion	<ul style="list-style-type: none">• Objective type• Short answer• Assessment of the field visit reports

			<p>mental health nurse in various settings and factors affecting the level of nursing practice</p> <ul style="list-style-type: none"> • Concepts of normal and abnormal behaviour. 		
II	05	<ul style="list-style-type: none"> • Defines the various terms used in mental health Nursing. • Explains the classification of mental disorders. • Explain psychodynamics 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. 	<p>Principles and Concepts of Mental Health Nursing</p> <ul style="list-style-type: none"> • Definition: mental health nursing and terminology used • Classification of mental disorders: ICD. • Review of personality development, defense mechanisms. • Maladaptive behaviour of individuals and groups: stress, crises 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: <ol style="list-style-type: none"> 1. Existential Model. 2. Psycho-analytical models. 3. Behavioral; models. 4. Interpersonal model. 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts. • Review of personality development. 	<ul style="list-style-type: none"> • Essay type • Short answer. • Objective type

III	08	Describe nature, purpose and process of assessment of mental health status	Assessment of mental health status. <ul style="list-style-type: none"> • History taking. • Mental status examination. • Mini mental status examination. • Process recording • Neurological examination: Review. • Investigations: Related Blood chemistry, EEG, CT & MRI. • Psychological tests Role and responsibilities of nurse. 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Short answer • Objective type • Assessment of skills with checklist.
IV	06	<ul style="list-style-type: none"> • Identify therapeutic communication techniques • Describe therapeutic relationship. • Describe therapeutic impasse and its intervention. 	Therapeutic communication and nurse-patient relationship <ul style="list-style-type: none"> • Therapeutic communication: types, techniques, characteristics • Types of relationship, • Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR- Johari Window • Goals, phases, tasks, therapeutic techniques. • Therapeutic impasse and its intervention 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Role play • Process recording 	<ul style="list-style-type: none"> • Short answer • Objective type
V	14	Explain treatment modalities and therapies used in mental disorders and role of the nurse.	Treatment modalities and therapies used in mental disorders. <ul style="list-style-type: none"> • Psycho Pharmacology • Psychological therapies: Therapeutic community, psycho therapy – Individual: psycho-analytical, cognitive & supportive, family, Group, Behavioral, Play Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies : 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Group work. • Practice session • Clinical practice. 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

			<p>Yoga, Meditation, bio feedback.</p> <ul style="list-style-type: none"> • Alternative systems of medicine. • Psychosocial rehabilitation process • Occupational therapy. • Physical Therapy: electro convulsive therapy. • Geriatric considerations <p>Role of nurse in above therapies.</p>		
VI	05	<ul style="list-style-type: none"> • Describe the etiology, sychopathology clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders • Geriatric considerations • Follow-up and home care and rehabilitation. 	<p>Nursing management of patient with Schizophrenia, and other psychotic disorders</p> <ul style="list-style-type: none"> • Classification: ICD • Etiology, psycho-pathology, types, clinical manifestations, diagnosis • Nursing Assessment- History, Physical and mental assessment. • Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders • Geriatric considerations • Follow – up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems

VII	05	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders.	Nursing management of patient with mood disorders <ul style="list-style-type: none"> • Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc. • Etiology, psychopathology, clinical manifestations, diagnosis. • Nursing Assessment- History, Physical and mental assessment. • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems
VIII	08	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders.	Nursing management of patient with neurotic, stress related and somatization disorders <ul style="list-style-type: none"> • Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive-compulsive disorder, somatoform disorders, Post traumatic stress disorder. • Etiology, psychopathology, clinical manifestations, diagnosis • Nursing Assessment- History, Physical and mental assessment • Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders. • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems

IX	05	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	Nursing management of patient with substance use disorders <ul style="list-style-type: none"> • Commonly used • Psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal • Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, and diagnosis. • Nursing Assessment- History, Physical, mental assessment and drug assay • Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders. • Geriatric considerations • Follow-up and home care and rehabilitation. 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems
X	04	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders	Nursing management of patient with Personality, Sexual, Eating disorders & Sleep disorders. <ul style="list-style-type: none"> • Classification of disorders • Etiology, psychopathology, characteristics, diagnosis. • Nursing Assessment – History, Physical and mental assessment. • Treatment modalities and nursing management of patients with Personality, Sexual, Eating disorders & Sleep disorders. • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems

XI	06	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent including mental deficiency	Nursing management of childhood and adolescent disorders including mental deficiency <ul style="list-style-type: none"> • Classification • Etiology, psychopathology, 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 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems
XII	05	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders	Nursing management of organic brain disorders <ul style="list-style-type: none"> • Classification: ICD? • Etiology, psychopathology, clinical features, diagnosis and Differential diagnosis (Parkinson's and Alzheimer's) • Nursing Assessment-History, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of patient management problems

XIII	06	Identify psychiatric emergencies and carry out crisis intervention	Psychiatric emergencies and crisis intervention <ul style="list-style-type: none"> • Types of psychiatric emergencies and their management • Stress adaptation Model: stress and stressor, coping, resources and mechanism • Grief: Theories of grieving process, principles, techniques of counseling • Types of crisis • Crisis Intervention: Principles, Techniques and Process • Geriatric considerations • Role and responsibilities of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Clinical Practice 	<ul style="list-style-type: none"> • Short answers • Objective type
XIV	04	Explain legal aspects applied in mental health settings and role of the nurse	Legal issues in Mental Health Nursing <ul style="list-style-type: none"> • The Mental Health Act 1987: Act, Sections, Articles and their implications etc. • Indian lunacy Act. 1912 • Rights of mentally, ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures • Role and responsibilities of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion 	<ul style="list-style-type: none"> • Short answers • Objective type

XV	04	<ul style="list-style-type: none"> • Describe the model of preventive psychiatry • Describe Community Mental health services and role of the nurse 	Community Mental Health Nursing <ul style="list-style-type: none"> • Development of Community Mental Health Services: • National Mental Health Programme • Institutionalization Versus Deinstitutionalization • Model of Preventive psychiatry: Levels of Prevention • Mental Health Services available at the primary, 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. 	<ul style="list-style-type: none"> • Lecture discussion • Clinical/field practice • Field visits to mental health service agencies 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of the field visit reports
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MENTAL HEALTH NURSING – PRACTICAL

Placement: Third Year

Time: Practical – 270 hours (9 weeks)

Areas	Duration (in weeks)	Objective	Skills to be developed	Assignment	Assessment Methods
Psychiatric OPD	1	<ul style="list-style-type: none"> • Assess patients with mental health problems • Observe and assist in therapies • Counsel and educate patient, and families 	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Assist in Psychometric assessment • Perform Neurological examination • Observe and assist in therapies • Teach patients and family members 	<ul style="list-style-type: none"> • History taking and Mental status examination- 2 • Health education-1 • Observation report of OPD 	<ul style="list-style-type: none"> • 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	1	<ul style="list-style-type: none"> • Assessment of children with various mental health problems • Counsel and educate children, families and significant others 	<ul style="list-style-type: none"> • History taking • Assist in psychometric assessment • Observe and assist in various therapies • Teach family and significant others 	<ul style="list-style-type: none"> • Case work – 1 • Observation report of different therapies -1 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of the observation report

Inpatient ward	6	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Perform Neurological examination • Assist in psychometric assessment • Record therapeutic communication • Administer medications • Assist in Electroconvulsive Therapy (ECT) • Participate in all therapies • Prepare patients for Activities of Daily living (ADL) • Conduct admission and discharge counseling • Counsel and teach patients and families 	<ul style="list-style-type: none"> • Give care to 2-3 patients with various mental disorders • Case study- 1 • Care plan- 2(based on nursing process) • Clinical presentation-1 • Process recording 1 • Maintain drug book 	<ul style="list-style-type: none"> • 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
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Community psychiatry	1	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Conduct case work • Identify individuals with mental health problems • Assists in mental health camps and clinics • Counsel and Teach family members, patients and community 	<ul style="list-style-type: none"> • Case work – 1 • Observation report on field visits 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of case work and observation report • Completion of activity record
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MEDICAL SURGICAL NURSING-II

(Adult including Geriatrics)

Placement: Third Year

**Time: Theory-120 Hrs.
Practical – 270 Hrs**

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

Unit	Time (Hrs)	Objective	Contents	Teaching Learning Activities	Assessment Methods
I	T=15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat	Nursing management of patient with disorders of Ear Nose and Throat <ul style="list-style-type: none"> • Review of anatomy and physiology of the Ear Nose and Throat- • Nursing Assessment- History and • Physical assessment • Etiology, pathophysiology, clinical Manifestations, diagnosis, Treatment modalities and medical & Surgical nursing management of Ear Nose and Throat disorders: <ul style="list-style-type: none"> □ External ear: deformities otalgia, foreign bodies, and tumors □ Middle Ear-Impacted wax, Tympanic membrane perforation, 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist • Assessment of patient & management of problems.

			<p>otitis media, otosclerosis, mastoiditis, tumors</p> <p>□ Inner ear- meniere,s Disease, labyrinthitis, ototoxicity, tumors</p> <p>□ Upper airway infections Common cold, sinusitis, ethinitis, Rhinitis, Pharyngitis, Tonsillitis and Adenoiditis, Peritonsilar abscess, Laryngitis</p> <ul style="list-style-type: none"> • Upper respiratory airway- Epistaxis, • Nasal obstruction, laryngeal 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 mute. 		
II	T=15	Describe the etiology, path physiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.	<p>Nursing management of patient With disorders of eye</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the eye- • Nursing assessment – history and Physical assessment • Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management 	<ul style="list-style-type: none"> • Lecture • Discussion • Explain using Charts, using Models, films. Slides • Demonstration practice session • Case discussions/ seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			of eye disorders	<ul style="list-style-type: none">• Visit to eye band and participation in eye camps	
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			<ul style="list-style-type: none"> ❑ Refractive errors ❑ Eyelids-infection, tumors and deformities ❑ Conjunctiva-inflammation Infection and bleeding ❑ Cornea-inflammation and Infection ❑ Lens-Cataracts ❑ Glaucoma ❑ Disorder of the uveal 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 • Special therapies • Nursing procedures • Drugs used in treatment of disorders of eye 	<ul style="list-style-type: none"> • Visit to eye bank • Participation in eye-camps 	
III	16	Describe the etiology, patho – physiology clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders	Nursing management of patient With neurological disorders <ul style="list-style-type: none"> • Review of anatomy and physiology of the neurological system • Nursing Assessment History and physical and neurological assessment and Glasgow coma scale • Etiology, Path physiology, clinical 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			<p>manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders</p> <ul style="list-style-type: none"> • Congenital malformations • Headache • Head Injuries • Spinal injuries • Paraplegia • Hemiplegia • Quadriplegia • Spinal cord compression Herniation of intervertebral disc • Tumors of the brain & spinal cord • Intra cranial and cerebral aneurysms • Infections: Meningitis, Encephalitis, brain abscess, neurocysticercosis • Movement disorders: Chorea Seizures / Epilepsy • Cerebrovascular accidents (CVA) • Cranial / spinal neuropathies – Bell's palsy, trigeminal neuralgia, Peripheral Neuropathies; Guillan-Barr'e syndrome Myasthenia gravis Multiple sclerosis, Degenerative diseases, ➤ Delirium Dementia ➤ Alzheimer's disease ➤ Parkinson's disease • Management of unconscious patients and patients with stroke • Role of the nurse in communication with patient having neurological deficit 	<ul style="list-style-type: none"> • Visit to rehabilitation center 	
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			<ul style="list-style-type: none"> • Rehabilitation of patients with neurological deficit • Role of nurse in long stay facility (institutions) and at home Special therapies • Nursing procedures • Drugs used in treatment of neurological disorders 		
IV	16	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestation, diagnostic measures and nursing management of patients with disorders of female reproductive system. • Describe concepts of reproductive health and family welfare programmes 	<p>Nursing management of patient s With disorders of female reproductive system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the female reproductive system • Nursing assessment-history and physical assessment • Breast self examination • Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of disorder of female reproductive system <p>Congenital abnormalities of female reproductive system</p> <ul style="list-style-type: none"> • Sexuality and Reproductive Health • Sexual Health Assessment • Menstrual Disorders- Dysmenorrhea, Amenorrhea, Premenstrual Syndrome • Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia • Pelvic inflammatory disease- • Ovarian and fallopian tube disorders; Infections Cysts, Tumours • Uterine and cervical 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs Models, films, slides • Demonstration/ Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

			<p>disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours,</p> <ul style="list-style-type: none"> • Uterine displacement, Cystocele/ urethrocele/ rectocele • Vaginal disorders; Infections and Discharges, fistulas • Vulvur disorders; Infection, cysts, Tumours • Diseases of breast Deformities Infections Cysts and Tumours • Menopause and hormonal replacement therapy • Infertility • Contraception; types Methods risk and effectiveness <ul style="list-style-type: none"> □ Spacing methods <ul style="list-style-type: none"> -Barrier methods - Intra uterine devices - Hormonal post conceptional methods etc. □ Terminal methods sterilization • Emergency contraception methods • Abortion-natural, medical and surgical abortion-MTP Act • Toxic shock Syndrome • Injuries and trauma; sexual violence • Special therapies vaginal douche PAP smear • Nursing procedures • Drugs used in treatment of gynecological disorders • National family welfare programme 		
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V	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with burns, reconstructive and cosmetic surgery	Nursing management of patients With Burns, reconstructive and Cosmetic surgery <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin and connective tissues various deformities • Nursing assessment- History and physical examination & assessment burns fluid and electrolytes loss • Etiology, Classification, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical and nursing management of Burns and Reconstructive surgery and cosmetic surgery • Types of reconstructive and cosmetic surgeries for burns, congenital deformities, injuries and cosmetic purposes • Role of nurse • Legal aspects • Rehabilitation • Special therapies • Psycho social aspects • Nursing procedures, • Drugs used in treatment of burns, reconstructive and cosmetic surgeries. 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs Models, films, slides • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
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VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology	Nursing management of patients With oncological conditions <ul style="list-style-type: none"> • Structure & characteristics of normal & cancer cells • Nursing Assessment- history and physical assessment • Prevention, Screening, early detection, warning signs of cancer • Epidemiology, etiology, 	<ul style="list-style-type: none"> • Lecture discussion • Explain using • Charts, graphs models, films, slides • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
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			<p>classifications, pathophysiology, staging, clinical manifestations, diagnosis treatment modalities and medical, surgical & nursing management of oncological conditions</p> <ul style="list-style-type: none"> • Common malignancies of various body system; Brain Oral cavity, larynx lung liver stomach and colon, breast cervix, ovary, uterus, Sarcoma, renal, bladder, prostate leukemia and lymphomas, • Oncological emergencies. • Treatment Modalities– Immuno therapy Chemotherapy, Radiotherapy Gene therapy Stem cells & Bone Marrow transplants. other forms of treatment • Surgical interventions • Psychosocial aspects of cancer • Rehabilitation & Palliative care; symptom and pain Management – nutritional support • Home care, Hospice care, Stoma care • Special therapies • Psychosocial aspects • Nursing procedures 		
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VII	10	<ul style="list-style-type: none"> • Describe organization of emergency and disaster care services • Describe the role of nurse in disaster management • Describe the role of nurse in management of common Emergencies 	<p>Nursing management of patient in EMERGENCY & DISASTER situations</p> <p><i>Disaster Nursing</i></p> <ul style="list-style-type: none"> • Concepts and principles of Disaster Nursing • Causes and types of disaster: Natural and man-made Earthquakes, floods, epidemics, Cyclones, fire, Explosion, Accidents Violence, Terrorism; Bio-chemical war • Policies related to emergency/ disaster Management; International, national, state, institutional • Disaster preparedness: Team, guidelines, protocols, equipments, resources Coordination and involvement of community, various-government departments, and non-government. Organizations and International agencies • Role of nurse working • Legal aspects of disaster nursing • Impact on Health and after effects; post Traumatic Stress Disorder • Rehabilitation; physical, psychosocial Social, Financial, Relocation <p><i>Emergency Nursing</i></p> <ul style="list-style-type: none"> • Concept, priorities principle and • Scope of emergency nursing • Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage Nurse 	<ul style="list-style-type: none"> • Lecture discussion • Explain using • Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Disaster management drills • Drug book/ presentation 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
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			<ul style="list-style-type: none"> • Coordination and involvement of different departments and facilities • Nursing Assessment- History and physical assessment • Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency • Principles of emergency management • Common Emergencies; • Respiratory Emergencies • Cardiac Emergencies • Shock and Hemorrhage • Pain • Poly-Trauma, road accidents, crush Injuries, wound • Bites • Poisoning; Food, Gas, Drugs & chemical poisoning • Seizures • Thermal Emergencies; Heat stroke & Cold injuries • Pediatric Emergencies • Psychiatric Emergencies • Obstetrical Emergences • Violence, Abuse, Sexual assault • Cardio pulmonary Resuscitation • Crisis Intervention • Role of the nurse; Communication And inter personal Relation • Medico-legal Aspects; 		
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VIII	10	<ul style="list-style-type: none"> • Explain the concept and problems of ageing • Describe nursing care of the elderly 	Nursing care of the elderly <ul style="list-style-type: none"> • Nursing Assessment- History and physical assessment • Ageing; • Demography; Myths and realities • Concepts and theories of ageing • Cognitive Aspects of Ageing • Normal biological ageing • Age related body systems changes • Psychosocial Aspects of Aging • Medications and elderly • Stress & coping in older adults • Common Health problems & Nursing Management; • Cardiovascular, Respiratory, Musculoskeletal, • Endocrine, genito-urinary, gastrointestinal • Neurological, Skin and other 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 of elderly; Privileges. Community programs and health services; 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation Visit to old age home 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
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			<ul style="list-style-type: none"> • Home and institutional care 		
IX	10	<ul style="list-style-type: none"> • Describe organization of critical care units • Describe the role of nurse in management of patients critical care units 	Nursing management of patient in critical care units <ul style="list-style-type: none"> • Nursing Assessment- History and Physical assessment • Classification • Principles of critical care nursing • Organization; physical setup, Policies, staffing norms, • Protocols, equipment and supplies • Special equipments; ventilators, cardiac monitors, defibrillators, • Resuscitation equipments • Infection Control protocols • 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 care unit 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Role plays • Counseling • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

X	8	Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder	Nursing management of patients adults including elderly with occupational and industrial disorders <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Disaster management drills • Drug book/ presentations 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
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PRAC TICAL

Time: 270 hrs

Areas	Duration (in weeks)	Objective	Skills to be developed	Assignment	Assessment Methods
ENT	1	<ul style="list-style-type: none"> • Provide care to patients with ENT disorders • Counsel and educate patient and families 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care plan-1 • Observation reports of OPD • Maintain drug book 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD • Completion of activity record
Ophthalmology	1	<ul style="list-style-type: none"> • Provide care to patients with Eye disorders • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Perform examination of eye • Assist with diagnostic procedures • Assist with therapeutic procedures • Perform/assist with Irrigations. • Apply eye bandage • Apply eyedrops/ ointments • Assist with foreign body removal. • Teach patients and Families 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care plan-1 • Observation reports of OPD & Eye bank • Maintain drug book 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD/Eye bank • Completion of activity record
Neurology	2	<ul style="list-style-type: none"> • Provide care to patients with neurological disorders • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Perform Neurological Examination • Use Glasgow coma scale • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patient & families • Participate in Rehabilitation program 	<ul style="list-style-type: none"> • Provide care to assigned 2-3 patients with neurological disorders. • Case study/Case presentation- 1 • Maintains drug book • Health Teaching-1 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of case study & health • Completion of activity record

Gynecology ward	1	<ul style="list-style-type: none"> • Provide care to patients with gynecological disorders • Counsel and 	<ul style="list-style-type: none"> • Assist with gynecological Examination • Assist with diagnostic procedures 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care plan-1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance
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		educate patient and families	<ul style="list-style-type: none"> • Assist with therapeutic procedures • Teach patients families • Teaching self Breast Examination • Assist with PAP Smear collection. 		with rating scale Evaluation of observation report of OPD/Eye bank <ul style="list-style-type: none"> • Completion of activity record
Burns Unit	1	<ul style="list-style-type: none"> • Provide care of the patient with burns • Counsel and educate patient and families 	<ul style="list-style-type: none"> • Assessment of the burns patient Percentage of burns • Degree of burns. • Fluid & electrolyte replacement therapy <ul style="list-style-type: none"> □ Assess □ Calculate □ Replace □ Record intake/output • Care of Burn wounds <ul style="list-style-type: none"> □ Bathing □ Dressing • Perform active & passive exercises • Practice medical and surgical asepsis • Counsel & Teach patients and families • Participate in rehabilitation program 	<ul style="list-style-type: none"> • Provide care to 1-2 assigned patients • Nursing care plan-1 • Observation report of Burns unit 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation • Activity record
Oncology	1	<ul style="list-style-type: none"> • Provide care to patients with cancer • counsel and educate patient and families 	<ul style="list-style-type: none"> • Screen for common cancers-TNM classification • Assist with diagnostic procedures <ul style="list-style-type: none"> □ Biopsies □ Pap smear □ Bone-marrow aspiration • Breast examination • Assist with Therapeutic • Participates in various modalities of treatment <ul style="list-style-type: none"> □ Chemotherapy □ Radiotherapy □ Pain management □ Stomal therapy □ Hormonal therapy □ Immuno therapy □ Gene therapy □ Alternative therapy • Participate in palliative care 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care Plan-1 • Observation report of cancer unit 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with ratingscale • Evaluation of Care plan and observation report • Completion of activity record

			<ul style="list-style-type: none"> • Participate in rehabilitation programme • Counsel and teach patients families <ul style="list-style-type: none"> ❑ Self breast examination ❑ Warning signs 		
Critical Care unit	2	<ul style="list-style-type: none"> • Provide care to critically ill patients • Counsel and families for grief and bereavement 	<ul style="list-style-type: none"> • 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 • Defibrillators • Pace makers • Bag-mask ventilation • Emergency tray/ trolley- Crash Cart • Administration of drugs <ul style="list-style-type: none"> ❑ Infusion pump ❑ Epidural ❑ Intra thecal ❑ Intracardiac • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercise • Counsel the patient and family in dealing with grieving and Bereavement 	<ul style="list-style-type: none"> • Provide care to I assigned patient • Observation report of Critical care unit • Drugs book. 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with ratings scale • Evaluation of observation report • Completion of activity record

Causality/ emergency	1	<ul style="list-style-type: none"> • Provide care to patients in emergency and disaster situation • Counsel patient and families for grief and bereavement 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Observation • Report of Emergency Unit 	<ul style="list-style-type: none"> • Assess Performance with ratingscale • Evaluation of observation report • Completion of activity record
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1. Evaluation of care

Overall evaluation, problem faced while providing care prognosis of the patient and conclusion

Care plan evaluation

Sr. No.	Contents	Marks
1	History taking	03
2	Assessment and nursing diagnosis	05
3	Planning of care	05
4	Implementation and evaluation	08
5	Follow up care	02
6	Bibliography	02
	Total	50

FORMAT FOR CASE PRESENTATION

Patients Biodata:

Name, address, age, sex, religion, marital status, occupation, source of health care, date of admission, provisional diagnosis, date of surgery if any

Presenting complaints:

Describe the complaints with which the patient has come to hospital

History of illness

History of present illness – onset, symptoms, duration, precipitating / alleviating factors
History of past illness – illnesses, surgeries, allergies, immunizations, medications

Family history – family tree, history of illness in family members, risk factors, congenital problems, psychological problems.

Economic status:

Monthly income & expenditure on health, marital assets (own house, car, two wheeler, phone, TV etc...)

Psychological status:

Ethnic background, (geographical information, cultural information) support system available.

Personal habits:

Consumption of alcohol, smoking, tobacco chewing, sleep, exercise, work elimination, nutrition.

Physical examination with

date and time

Investigations

Date	Investigation done	Normal value	Patient value	Inference

Treatment

Sr. No.	Drug: (pharmacological name)	Dose	Frequency Time	Action	Side effect & Drug interaction	Nursing responsibility

Description of disease

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

Clinical features of the disease condition

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

Nursing process:

Patient name:

Date:

Ward:

Date	Assessment	Nursing diagnosis	Objective	Plan of care	Rationale	Implementation	Evaluation

Discharge planning:

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

Evaluation of care

Overall evaluation, problem faced while providing care prognosis of the patient and conclusion

Care plan evaluation

Sr. No.	Contents	Marks
1	Assessment / Introduction	05
2	Knowledge and understanding of disease	10
3	Nursing care plan	15
4	Presentation skill	10
5	A.V. aids	5
6	Overall	
	Summary & conclusion	03
	Bibliography	02
	Total	50

Format for case study

Format is similar to case presentation but should be in detail

The nursing care given to the patient should be at least for 5 continuous days

Evaluation format for case study

Sr. No.	Contents	Marks
1	Assessment / Introduction	05
2	Knowledge and understanding of disease	15
3	Nursing care plan	20
4	Discharge plan	05
5	Summary & evaluation	02
6	Bibliography	03
	Total	50

EVALUATION FORMAT FOR HEALTH TALK

NAME OF THE STUDENT : _____

AREA OF EXPERIENCE : _____

PERIOD OF EXPERIENCE : _____

SUPERVISOR : _____

Total 100 Marks

Scores: 5 = Excellent, 4 = Very good, 3 = Good, 2 = Satisfactory / fair, 1 = Poor

Sr. No.	Particulars	1	2	3	4	5	Score
1	I) Planning and organization a) Formulation of attainable objectives b) Adequacy of content c) Organization of subject matter d) Current knowledge related to subject Matter e) Suitable A.V.Aids II) Presentation: a) Interesting b) Clear Audible c) Adequate explanation d) Effective use of A.V. Aids e) Group Involvement f) Time Limit III) Personal qualities: a) Self confidence b) Personal appearance c) Language d) Mannerism e) Self awareness of strong & weak points IV) Feed back: a) Recapitulation b) Effectiveness c) Group response V) Submits assignment on time						

* 100 marks will be converted into 25

CLINICAL EVALUATION PERFORMA

Name of the Student : _____

Year : _____

Area of Clinical Experience : _____

Duration of posting in weeks : _____

Name of the Supervisor : _____

Total 100 Marks

Scores: 5 = Excellent, 4 = Very good, 3 = Good, 2 = Satisfactory / fair, 1 = Poor

Sr. No.	EVALUATION CRITERIA	Grades				
		1	2	3	4	5
I	Personal & Professional behavior					
1	Wears clean & neat uniform and well groomed.					
2	Arrives and leaves punctually					
3	Demonstrates understanding of the need for quietness in speech & manner & protects the patient from undue notice.					
4	Is notably poised and effective even in situations of stress					
5	Influential & displaced persuasive assertive leadership behaviour					
II	Attitude to Co-workers and patients					
6	Works well as member of nursing team					
7	Gives assistance to other in clinical situations					
8	Understands the child as an individual					
9	Shows skills in gaining the confidence & cooperation of child and relatives, tactful and considerate.					
III	Application of knowledge					
10	Possess sound knowledge of pediatric conditions.					
11	Has sound knowledge of scientific principles					
12	Has knowledge of normal growth and development of children					
13	Has knowledge of current treatment modalities inclusive of medicine, surgery, pharmacology and dietetics.					
14	Takes interest in new learning from current literature & seeks help from resourceful people.					
IV	Quality of clinical skill					
15	Identifies problems & sets priorities and grasps essentials while performing duties					
16	Applies principles in carrying out procedures & carries out duties promptly.					
17	Has technical competence in performing nursing procedures.					
18	Resourceful and practices economy of time material and energy.					

19	Observes carefully, reports & records signs & symptoms & other relevant information					
20	Uses opportunities to give health education to patients & relatives					
	Total					

Grade

Excellent = 80-100 %

Very good = 70 % and

above Good = 60 = 69 %

Satisfactory = 50- 59

% Poor = Below 50

%

Remarks for improvement:

Student's Remark:

Signature of the student

Signature of the teacher

Nursing Research and Statistics

Placement – Fourth Year

Time- Theory – 45 Hours

Internship **Practical** - 45 Hours

Course Description-The course is designed to enable students to develop and 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	4	Describe the concept of research, terms, need and areas of research in Nursing Explain the steps of research process	Research and Research Process : * Introduction and need for nursing research * Definition of research & nursing research * Steps of scientific method * Characteristics of good research * Steps of Research process - overview	* Lecture discussion * Narrate steps of research process followed from examples of published studies	- Short answer - Objective type
II	3	Identify and state the research problem and objectives	Research problem / question : * Identification of problem area * Problem statement * Criteria of a good research problem * Writing objectives	* Lecture discussion * Exercise on writing statement of problem and objectives	- Short answer - Objective type
III	3	Review the related literature	Review of Literature : * Location * Sources * On-line search - CINHALL, COCHRANE etc * Purposes * Method of review	* Lecture discussion * Exercise on reviewing one research report/article for a selected research problem * Prepare annotated bibliography	- Short answer - Objective type
IV	4	Describe the research approaches and designs	Research approaches and designs : * Historical, survey and experimental * Qualitative and Quantitative designs	* Lecture discussion * Explain types of research approaches used from examples of	- Short answer - Objective type

				published and unpublished research studies with rationale	
V	8	<p>Explain the sampling process</p> <p>Describe the methods of data collection</p>	<p>Sampling and Data Collection :</p> <ul style="list-style-type: none"> * Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques * Data - why, what, from, whom, when, where to collect * Data collection methods and instruments : <ul style="list-style-type: none"> ○ Methods of data collection ○ Questioning, interviewing ○ Observations, record analysis and measurements ○ Types of instruments ○ Validity and reliability of the instrument ○ Pilot study ○ Data collection procedure 	<ul style="list-style-type: none"> * Lecture discussion * Reading assignment on examples of data collection tools * Preparation of sample data collection tools * Conduct group research project 	<ul style="list-style-type: none"> - Short answer - Objective type
VI	4	Analyse, interpret and summarize the research data	<p>Analysis of data :</p> <ul style="list-style-type: none"> * Compilation, Tabulation, classification, summarization, presentation, interpretation of data 	<ul style="list-style-type: none"> * Lecture discussion * Preparation of sample tables 	<ul style="list-style-type: none"> - Short answer - Objective type
VII	15	<p>Explain the use of statistics, scales of measurement and graphical presentation of data</p> <p>Describe the measures of central tendency and variability and methods of correlation.</p>	<p>Introduction to statistics :</p> <ul style="list-style-type: none"> * Definition, use of statistics, scales of measurement * Frequency distribution and graphical presentation of India * Mean, Median, Mode, Standard deviation * Normal probability and tests of significance. * Co-efficient of correlation * Statistical packages and its application 	<ul style="list-style-type: none"> * Lecture discussion * Practice on graphical presentation * Practice on computation of measures of central tendency, variability and correlation 	<ul style="list-style-type: none"> - Short answer - Objective type

VIII	4	Communicate and utilize the research findings	Communication and Utilization of Research : * Communication of Research findings <ul style="list-style-type: none"> ○ Verbal report ○ Writing research report ○ Writing scientific article / paper - Critical review of published research - Utilization of research findings 	* Lecture discussion * Read / presentations of a sample published / unpublished research report * Writing group research project	- Short answer - Objective type
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Community Health Nursing – II

Placement - Fourth Year

Time - Theory - 115 Hrs

Practical - 135 Hrs

Course Description-This course is designed for students to practice Community Health Nursing for the individual, family and groups at both urban and rural settings by using 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	Introduction : * Definition, concept and scope of Community Health and Community Health Nursing * Historical development of <ul style="list-style-type: none"> ○ Community Health ○ Community Health Nursing <ul style="list-style-type: none"> - Pre - independence - Post - independence 	* Lecture discussion	- Essay type - Short answers
II	6	Describe health plans, policies, various health committees and health problems in India	Health planning and policies and problems : <ul style="list-style-type: none"> • National Health planning in India – 5 year plans • Various committees and commissions on health and family welfare - <ul style="list-style-type: none"> ○ Central Council for Health and Family Welfare (CCH and FW) ○ National Health Policies (1983, 2002, 2017) ○ National Population policy ○ Niti Aayog • Health problems in India 	* Lecture discussion * Panel discussion	- Essay type - Short answers
III	15	Describe the system of delivery of Community Health Services in Rural and Urban areas	Delivery of Community Health Services : Planning, Budgeting and material management of SCs, PHC and CHC Rural - Organization, staffing and functions of Rural Health Services provided by Govt. at - <ul style="list-style-type: none"> ○ Village ○ Sub-centre ○ Primary Health Centre ○ Community Health Centre / 	* Lecture discussion * Visits to various health delivery systems * Supervised field practice * Panel discussion	- Essay type - Short answers

		<p>List the functions of various levels and their staffing pattern</p> <p>Explain the components of health services</p> <p>Describe alternative system of health promotion and health maintenance</p> <p>Describe the chain of referral system</p>	<p>Sub divisional</p> <ul style="list-style-type: none"> ○ Hospitals – District, State & Central Level <p>Urban - Organisation, staffing and functions of urban health services provided by Govt. at -</p> <ul style="list-style-type: none"> ○ Slums ○ Dispensaries ○ Maternal and Child Health Centres ○ Special clinics ○ Hospitals - Corporation / Municipality / Board <p>Components of Health Services -</p> <ul style="list-style-type: none"> ○ Environmental sanitation ○ Health Education ○ Vital statistics ○ MCH – Antenatal, Natal, Postnatal, MTP act, Female Foeticide Act, Child Adaptation Act. ○ Family welfare ○ National Health programmes ○ School Health Services ○ Occupational Health ○ Defense services ○ Institutional services <p>Systems of medicine and health care -</p> <ul style="list-style-type: none"> ○ Allopathy ○ Indian system of medicine and Homeopathy ○ Alternative health care systems like yoga, meditation, social and spiritual healing, etc <p>Referral system</p>		
IV	20	<p>Describe Community Health Nursing approaches and concepts</p> <p>Describe the roles and responsibility of Community</p>	<p>Community Health Nursing approaches, concepts and roles and responsibilities of Nursing Personnel :</p> <p>Approaches -</p> <ul style="list-style-type: none"> ○ Nursing Theories and Nursing process ○ Epidemiological approach ○ Problem solving approach ○ Evidence based approach ○ Empowering people to care for themselves <p>Concepts of Primary Health Care -</p>	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice session</p> <p>* Supervised field practice</p> <p>* Participation in camps</p> <p>* Group Project</p>	<p>- Essay type</p> <p>- Short answers</p>

		Health Nursing Personnel	<ul style="list-style-type: none"> ○ Equitable distribution ○ Community participation ○ Focus on prevention ○ Use of appropriate technology ○ Multi-sectoral approach <p>Roles and responsibilities of Community Health Nursing personnel in -</p> <ul style="list-style-type: none"> ○ Family Health services ○ Information education communication (IEC) ○ Management information system (MIS) - Maintenance of records and reports ○ Training and supervision of various categories of health workers ○ National Health programmes ○ Environmental sanitation ○ Maternal and Child Health and Family Welfare ○ Treatment of minor ailments ○ School Health services ○ Occupational Health ○ Organisation of clinics, camps - types, preparation, planning, conduct and evaluation ○ Waste management in the centre, clinics, etc. <p>Home visit - concept, principles, process techniques - bag technique, home visit</p> <p>Qualities of community health nurse</p> <p>Job description of community Health Nursing personnel</p>		
V	15	Describe and appreciate the activities of community health nurse in assisting individuals	<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"> ○ Monitoring growth and development - <ul style="list-style-type: none"> - Mile stones - Weight measurement 	<p>* Lecture discussion</p> <p>*</p> <p>Demonstration</p> <p>* Practice session</p> <p>* Supervised field practice</p> <p>* Individual / group/family/</p>	<p>- Essay type</p> <p>- Short answers</p>

		<p>and groups to promote and maintain their health</p>	<ul style="list-style-type: none"> - Social development ○ Temperature and Blood pressure monitoring ○ Menstrual cycle ○ Breast Self Examination and testicles ○ Warning signs of various diseases ○ Tests - Urine for sugar and albumin, blood sugar <p>B. Seek health services for -</p> <ul style="list-style-type: none"> ○ Routine check - up ○ Immunization ○ Counseling ○ Diagnosis ○ Treatment ○ Follow up <p>C. Maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p> <p>E Carry - out therapeutic procedures as prescribed / required for self and family</p> <p>F. Waste Management - Collection and disposal of waste at home and community</p> <p>G. Sensitize and handle social issues affecting health and development for self and family -</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse <p>H. Utilize community resources for self and family -</p> <ul style="list-style-type: none"> ○ Trauma services ○ Old age homes ○ Orphanage Homes for physically and mentally challenged individuals ○ Homes for destitute 	<p>community health education</p>	
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VI	20	<p>Describe national health and family welfare programme s and role of a nurse</p> <p>Describe the various health schemes in India</p>	<p>National health and family welfare programmes and the role of a nurse :</p> <ol style="list-style-type: none"> 1) National ARI programme 2) Revised National Tuberculosis Control Programme (RNTCP) 3) National Vector born disease control programme 4) National Guinea Worm Eradication programme 5) National Leprosy eradication programme 6) National AIDS control programme 7) STD control programme 8) National programme for control of blindness 9) Iodine deficiency disorder programme 10) Expanded programme on immunization 11) National Family Welfare Programme - RCH Programme - historical development, organization, administration, research, constraints 12) National water supply and sanitation programme 13) Minimum Need programme 14) National programme for prevention and control of cancer, diabetics, CVD and stroke (NPCDCS) 15) Polio Eradication - Pulse Polio Programme 16) Yaws Eradication Programme 17) National Nutritional Anemia Prophylaxis programme 18) Twenty point programme 19) ICDS programme 20) Mid-day meal applied nutritional programme 21) National mental health programme 22) National rural health mission (NRHM) 23) National urban health mission (NUHM) <p>Health Schemes – ESI, CGHS, Health insurance(Pradhan Mantri Jan Arogya Yojana(PMJAY) and other health insurance schemes</p>	<p>* Lecture discussion</p> <p>* Participation in National Health Programmes</p> <p>* Field visits</p>	<p>- Essay type</p> <p>- Short answers</p>
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VII	5	Explain the roles and functions of various national and international health agencies	Health Agencies 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 of 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
VII	5	Describe the solid waste management Describe the role of an individual in prevention of pollution Discuss the pollution case studies Describe the disaster management in different disasters Discuss the role of information technology in environmental and human health	Environmental pollution <ul style="list-style-type: none"> • Solid waste management : causes, effects and control measures of urban and industrial wastes. • Role of an individual in prevention of pollution • Pollution case studies • Disaster management : floods, earthquake, cyclone and landslide • Role of information technology in environment and human health 	* Lecture discussion	Short answers Objective type
IX	25	Explain the role and responsibilities of MLHP in general Discuss the new national health programmes Explain Ayushman Bharat yojana Describe the diagnosing and treatment skills essential at subcenter Discuss RBSK Discuss social mobilizing skills Explain programme management including supervision and monitoring	Middle level healthcare provider <ol style="list-style-type: none"> 1) Role and responsibilities of Mid-level health care providers(MLHP) 2) New national health programmes 3) AYUSHMAN BHARAT – the upgradation of sub-centers into health and wellness centers, concept of comprehensive primary health care and key elements of CPHC, service delivery and continuum of care and role of MLHP 4) Diagnosing and treatment skills essential at sub-center level using standard treatment protocols as per National health programmes 5) Introduction to Rashtriya Bal Sureksha Karyakram(RBSK) 6) Social mobilizing skills 7) Drug dispensing 8) Programme management including supervision and monitoring 	* Lecture discussion	Essay type Short answers Objective type

		<p>Explain investigation of an outbreak Discuss behavior change communications and soft skills Describe chikungunya Explain organization of labour room Discuss the postpartum visits by health workers Describe family planning 2020 Discuss national family planning programmes Explain food born diseases.</p>	<p>9) Investigation of an outbreak 10) Behavior change communication and soft skills 11) Integrated Disease surveillance Project (IDSP) 12) Mother and child tracking system (MCTS) 13) Chikungunya 14) Organization of Labour room 15) Safe child birth checklist 16) Postpartum visit by health workers 17) Family planning 2020 18) National family planning programmes 19) Food born diseases</p> <p>Following topics to be reviewed</p> <ul style="list-style-type: none"> • Health planning and health care delivery system in India • Health Management Information system (HMIS) • Electronic medical Records(EMR) • Micro birth Planning • Adolescent counseling • Sources of vital statistics • Financial management, accounts and computing at sub centers • Mental health act, drug de-addiction programmes • Time trends in disease occurrence in epidemiology • Infant and young child feeding and counseling • Nutrition across life cycle and update on national nutritional programmes • Use of equipments • Throat problems and febrile seizure in children • Transportation of baby and common accidents and mishaps in labour room • Counseling – GATHER approach • Biomedical waste management rules 2016 • Suturing of superficial wounds • Postpartum intra uterine contraceptive device (PPIUCD) • All the national health programme on communicable, non-communicable disease 		
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Community Health Nursing – II – Practical

Placement - Fourth Year

Time - Practical - 135 hours

Internship - 195 hours

Duration :- 1 wk. for Urban
4 wk for Rural

Objectives	Skills	Assignments	Assessment Methods
<ul style="list-style-type: none"> 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 and reports 	<ul style="list-style-type: none"> * Community Health Survey * Community diagnosis * Family care - Home adaptation of common procedures * Home visit - bag technique * Organize and conduct clinics – antenatal, postnatal, well baby clinic, camps etc. * Screen, manage and referrals for : <ul style="list-style-type: none"> ○ High risk mothers and neonates ○ Accidents and emergencies ○ Illness - Physical and mental Disabilities * Conduct delivery at centre / home - Episiotomy and suturing * Resuscitate new born * 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, Diabetics, hypertension, Mental health, adolescents, elderly health, physically and mentally challenged individuals etc. * Collect and Calculate Vital health statistics * Document and maintain - <ul style="list-style-type: none"> ○ Individual, family and administrative records. * Write reports - centre, disease, national health programme / projects 	<ul style="list-style-type: none"> * Community survey report- 1 * Family care study-1 * Project – 1 * Health talk -1 * Case book recording 	<p>Assess clinical performance with rating scale</p> <p>Evaluation of community survey report, family care study, project and health talk</p> <p>Completion of activity record.</p> <p>Completion of case book recording</p>

<ul style="list-style-type: none"> • Demonstrate the MLHP skill/activities to be performed in various health facilities such as District Hospital/Community health center/primary health center, subcenter/urban health center and IPHB in the concerned outpatient /inpatient department/clinics/community/home setting • Select minimum 2 clients, collect history, perform risk assessment and write the action taken and appropriate referral 	<ul style="list-style-type: none"> • Management of common communicable diseases • Management of common non-communicable disease • Management of Mental illness • Dental care • Geriatric care • Eye care and ENT • Common conditions and emergencies • Care in pregnancy and maternal health • Neonatal and infant health (0 to 1yr of age) • Child health, adolescent health • Reproductive health and contraceptive services • Management of common illness 	<ul style="list-style-type: none"> • MLHP log book • Record details of cases taken in MLHP log book for the specific activity as per given information and get it countersigned by the supervisor under whom the activity had been carried out 	<ul style="list-style-type: none"> • Assess each skill with checklist OSPE/OSCE • Completion of MLHP activity log book
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Placement - Internship

Time - 4 Weeks

Area	Duration	Objectives	Skills	Assessment
Urban	4 Weeks	Provide comprehensive care to individual, family and community	Integrated Practice and group project – 1 in urban	* Assess clinical performance with rating scale * Evaluation of project

Management of Nursing Services and Education

Placement : Fourth Year

Time : 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
	Th.	Pr.				
I	4		Explain the principles and functions of management t	Introduction to management in nursing : * Definition, concepts and theories * Functions of management * Principles of Management * Role of Nurse as a manager	* 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, super-superannuation, etc. * Budgeting: concept, principles, types, cost benefit analysis, audit * Material management: equipment and supplies * Directing process (Leading) * Controlling: Quality management * Program Evaluation Review Technique (PERT) , Bench marking, Activity Plan (Gantt Chart),	* Lecture Discussion * Simulated Exercises * Case studies	- Short answers - Essay type
III	8	20	Describe the Managemen t of nursing services in the hospital	Management of nursing services in the hospital and Community : * Planning - o Hospital and patient care units including ward management	* Lecture Discussion * Demonstration * Simulated Exercises	- Short answers - Essay type - Assessment of problem solving

			and community	<ul style="list-style-type: none"> ○ Emergency and disaster management * Human resource management - <ul style="list-style-type: none"> ○ Recruiting, selecting, deployment, retaining, promoting, superannuation, etc. ○ Categories of nursing personnel including job description of all levels ○ Patient /population classification systems ○ Patients/population assignment and Nursing care responsibilities ○ Staff development and welfare * Budgeting - proposal, projecting requirements for staff, equipments and supplies for - <ul style="list-style-type: none"> ○ Hospital and patient care units ○ Emergency and disaster management * Material Management: procurement, inventory control, auditing and maintenance in - <ul style="list-style-type: none"> ○ Hospital and patient care units ○ Emergency and disaster management * Directing and leading - delegation, participatory management - <ul style="list-style-type: none"> ○ Assignments, rotations, delegations ○ Supervision & guidance ○ Implement standards, policies, procedures and practices ○ Staff development and welfare ○ Maintenance of discipline * Controlling / Evaluation - <ul style="list-style-type: none"> ○ Nursing Rounds/visits, Nursing protocols, 	<ul style="list-style-type: none"> * Case studies * Supervised practice in ward-writing indents, preparing duty roaster, ward supervision * Assignment on duties and responsibilities of ward sister * Writing report 	<p>exercise.</p> <ul style="list-style-type: none"> - Assessment of the assignment - Performance evaluation by ward sister with rating scale.
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				Manuals <ul style="list-style-type: none"> ○ Quality Assurance - Model, documentation ○ Records and reports *Performance appraisal		
IV	5		Describe the concepts, theories and techniques of Organizational behaviour and human relations	Organizational behavior and human relations : <ul style="list-style-type: none"> * Concepts and theories of organizational behaviors * Review of Channels of communication * Leadership styles * Review of Motivation - concepts and theories * Group dynamics * Techniques of - <ul style="list-style-type: none"> ○ Communication ○ Interpersonal relationships ○ Human relations * Public relations in context of nursing * Relations with professional associations and employee unions and Collective bargaining 	* Lecture Discussion * Role plays * Group games * Self assessment * Case discussion * Practice Session	- Short answers - Essay type - Assessment of problem solving
V	5	5	Participate in planning and organizing In-Service Education Program	In -Service education : <ul style="list-style-type: none"> * Nature & scope of in-service education program * Organization of in-service education * Principles of adult learning * Planning for in-service education program, techniques, methods and evaluation of staff education program. * Preparation of report 	* Lecture Discussion * Plan and conduct an educational session for in-service nursing personnel	- Short answers - Objective type - Assess the planning & conduct of the educational session
VI	10		Describe management of Nursing education institutions	Management of nursing educational institutions : <ul style="list-style-type: none"> * Establishment of Nursing educational institution - INC norms and guidelines * Co-ordination with - <ul style="list-style-type: none"> ○ Regulatory bodies ○ Accreditation ○ Affiliation - Philosophy/objectives - Organization ○ Structure ○ Committees - Physical facilities ○ College/School 	* Lecture Discussion * Role plays * Counseling session * Group Exercises	- Short answers - Essay type

				<ul style="list-style-type: none"> ○ Hostel - Students □ Selection □ Admission □ Guidance and Counseling □ Maintaining discipline - Faculty and staff ○ Selection ○ Recruitment ○ Job description ○ Placement ○ Performance appraisal ○ Development and welfare ● Budgeting ● Equipments and supplies: audio visual equipments, laboratory equipment, books, journals, etc. ● Curriculum: Planning, implementation and evaluation ● Clinical facilities ● Transport facilities ● Institutional Records and reports – <p>Administrative, faculty, staff and students.</p>		
VII	10		<p>Describe the ethical and legal responsibility ties of a professional nurse.</p> <p>Explain the nursing practice standards</p>	<p>Nursing as a Profession :</p> <ul style="list-style-type: none"> * Nursing as a profession <ul style="list-style-type: none"> ○ Philosophy - nursing practice ○ Aims and objectives ○ Characteristics of a professional nurse ○ Regulatory bodies - INC, SNC Acts - Constitution, functions ○ Current trends and issues in Nursing * Professional ethics <ul style="list-style-type: none"> ○ Code of ethics - INC, ICN ○ Code of professional conduct - INC, ICN * Practice standards for Nursing - INC * Consumer protection Act * Legal aspects in Nursing 	<ul style="list-style-type: none"> * Lecture Discussion * Case discussion * Panel discussion * Role plays * Critical incidents * Visit to INC/SNRCs 	<ul style="list-style-type: none"> - Short answers - Assessment of critical incidents

				<ul style="list-style-type: none"> ○ Legal terms related to practice - registration and licensing ○ Laws related to Nursing practice, Breach and Penalties ○ Malpractice and negligence 		
VIII	3		Explain the various opportunities for professional advancement	Professional Advancement : * Continuing education * Career opportunities * Collective bargaining * Membership with professional organization - National and International * Participation in research activities * Publications - Journals, newspapers, etc.	* Lecture Discussion * Review / Presentation of published articles * Group work on maintenance of bulletin board.	- Short answers

FOURTH YEAR BSC NURSING

OBSTETRICAL AND GYNECOLOGICAL NURSING

Title of course	:	Midwifery and Obstetrical Nursing
Nursing Placement	:	Fourth Year Bsc(Nursing)
Hours of instruction	:	Theory - 90 Hours

Practical-360 Hours
Internship-240 hours

Course Description:

This course is designed for students to appreciate the concepts and principles of obstetrical nursing and helps them to acquire knowledge and develop attitude and beginning skills in rendering nursing care to normal and high risk pregnant women during antenatal, natal and postnatal periods in hospital and community settings. It also helps to develop skills in managing normal and high risk neonate and participate in family welfare programs.

Objectives

At the end of the course the students

1. Appreciate the historical perspectives, trends and issues in obstetric Nursing
2. Identify the anatomical, physiological and psychosocial changes take place during pregnancy.
3. Render comprehensive care to mother during antenatal, natal and post-partum periods.
4. Demonstrate beginning skills in conducting normal deliveries.
5. Identify and manage abnormalities and complications of pregnancy, labor and puerperium.
6. Demonstrate competence in caring fore high risk newborn.
7. Describe the pharmacological agents, their effects during, pregnancy, childbirth, puerperium, lactation and role of the nurse
8. Describe the recent advancement in contraceptive technology, birth control measures and role of the nurse.

Unit	Time in hours	Learning Objective	Content	Teaching Learning Activities	Assessment method
I	4	<p>Appreciate the trends and issues in Obstetrical nursing</p> <p>Identify the legal and ethical aspects in obstetric nursing</p>	<p>Introduction to concepts of Midwifery and Obstetrical Nursing</p> <ul style="list-style-type: none"> • Trends in midwifery and obstetrical nursing • Historical perspectives and current trends • Legal and ethical aspects • Preconception care and preparing for parenthood • Role of Nurse I midwifery ad obstetrical care • National policy and legislatin in relation to maternal health and welfare • Maternal, morbidity, mortality and fertility rates • Perinatal, morbidity and mortality rates 	<p>Lecture Discussion Explain using slides, Charts</p>	<p>Essay type Short answers</p>
II	7	Describe the anatomy and physiology of female reproductive system	<p>Review of anatomy and physiology of female reproductive system and foetal development</p> <p>Female pelvis- general description of the bones, joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, variation in shape of pelvis</p> <p>Female organs of reproduction- external genitalia, internal genital organs and their anatomical relations, musculature- blood, supply, nerves, lymphatics, pelvis floor, pelvic cellular tissue, pelvic peritoneum</p> <p>Physiology of menstrual cycle- Human</p>	<p>Lecture discussion Review with Charts and models</p> <p>Demonstrate with models, objects</p> <p>Practice sessions</p>	<p>Short answers, Objective type Assessment of skills with check list</p>

			<p>sexuality</p> <p>Conception and foetal development</p> <p>Review of fertilization, implantation, embedding of the ovum, development of the embryo and placenta, placenta at term, functions abnormalities, the foetal sac, amniotic fluid, the umbilical cord</p> <p>Foetal circulation,</p> <p>foetal skull, bones, Sutures and measurements,</p> <p>Review of genetics</p>	<p>Explain using charts, slides& models</p>	
III	8	Describe the diagnosis and management of women during antenatal period	<p>Assessment and management of pregnancy(ante-natal)</p> <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy • Reproductive system • Cardio vascular system • Respiratory system • Urinary system • Gastro intestinal system • Metabolic changes • Skeletal changes • Endocrine system • Psychological changes • Discomforts of pregnancy • Diagnosis of pregnancy • Signs • Differential diagnosis • Confirmatory tests • Ante-natal care • Objectives • assessment • History and physical examination • Antenatal examination • Signs of previous child-birth • Relationship of foetus to uterus and • Pelvis lie, attitude, presentation, position. • Per vaginal Examination • Screening and assessment for high 	<p>Lecture using slides, charts, practical session</p>	<p>Short answers, objective type</p> <p>Assessment of skills check list</p> <p>Assessment of patient management</p>

			<p>risk, Risk approach</p> <ul style="list-style-type: none">• History and physical examination• Modalities of diagnosis, invasive and non-invasive, ultrasonics, cardiotomography, NST,CST Antenatal preparation <ul style="list-style-type: none">• Antenatal counseling• Antenatal exercise• Diet• Substance use• Education for child birth• Husband and families• Preparation for safe confinement• Prevention from radiation <p>Psychosocial cultural aspects of pregnancy</p> <ul style="list-style-type: none">• Adjustment to pregnancy <ul style="list-style-type: none">• Unwed mother• Single parent• Teen age pregnancy• Sexual violence• Adoption		
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IV	12	<p>Describe the physiology and stages of labor</p> <p>Describe the management of women during intra natal period</p>	<p>Intra natal Period</p> <ul style="list-style-type: none"> • Assessment and management of intra natal period • Physiology of labour mechanism of labour management of labour <p>First stage</p> <ul style="list-style-type: none"> • Signs and symptoms of onset of labour; normal and abnormal • Duration • Preparation of labour room women • Assessment and observation of women in labour; partogram-maternal and foetal monitoring • Active management of labour, induction of labour • Pain relief and comfort in labour <p>Second stage</p> <ul style="list-style-type: none"> • Signs and symptoms, normal and abnormal • Duration • Conduct of delivery; principles and techniques • Episiotomy (only if required) • Receiving the newborn • Neonatal resuscitation initial steps and subsequent resuscitation • Care of umbilical cord • Immediate assessment including screening for congenital anomalies • Identification • Bonding • Initiate feeding • Screening and transportation 	<p>Lecture Discussion Demonstration Case discussion/presentation Presentation Stimulated practice Supervised clinical practice</p>	<p>Essays Short answers Objective type Assessment of skills with check list Assessment of patient management problems</p>
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			<p>of the neonate</p> <p>Third stage</p> <ul style="list-style-type: none"> • Signs and symptoms; normal and abnormal • Duration • Method of placental expulsion • Management; principles and techniques • Examination of the placenta • Examination of perineum <p>Maintaining records, and reports Forth stage</p>		
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V	5	Describe the physiology of puerperium Describe the management of women during post natal period	Assessment and management of woman during post natal period. <ul style="list-style-type: none"> • Normal puerperium • Physiology, Psychological phases of puerperium Post natal assessment and management - Promoting physical and emotional wellbeing • Management of lactation • Family dynamics after child birth • Family welfare services, methods, counseling • Follow up • Records and reports 	Lecture discussion Demonstration health talk Practice session supervised clinical practice	Essay type short answers objective type Assessment of skills with checklist Assessment of patient management problems
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VI	6	Describe the assessment and management normal neonate	Assessment and management of normal neonates The normal neonate Physiological adaptation, Initial & daily assessment, including neonate reflexes & clinical implication 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	Lectures discussion Demonstration Practice session Supervised Clinical practice	Essay type Short answers objective type Assessment of skills with check list Assessment of patient management problems.
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VII	10	Describe the identification and management of women with high risk pregnancy	<p>High risk pregnancy- assessment & management Screening and assessment Ultrasound, cardiotocography, NST, CST non invasive & invasive, Admission test Newer modalities of diagnosis High risk approach Levels of care, primary secondary and tertiary level</p> <p>Disorders of pregnancy Hyper emesis gravidarum, bleeding in early pregnancy- abortion, ectopic pregnancy & Vesicular mole Bleeding late pregnancy Ante partum hemorrhage- placenta Previa, Abruption placenta Uterine abnormality and displacement</p> <p>Diseases complicating pregnancy- Medical and surgical conditions, infections UTI, STD, HIV, TORCH Gynecological diseases complicating pregnancy Pregnancy included hypertension & Diabetes, Hydramnios, Rh incompatibility, multiple gestation Mental disorders Adolescent pregnancy, Elderly primi and grand multipara Abnormalities of placenta & cord Intra uterine growth Restriction Nursing management of mothers with high risk pregnancy Maintenance of records and report</p>	<p>Lecture discussion Demonstrate using video films, scan, reports partograph case discussion presentation Health talk Practice session Supervised clinical practice</p>	<p>Essay type, Short answers, Objective type, Assessment of skills with checklist Assessment of woman Management of problems</p>
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VIII	10	Describe management of abnormal labour and obstetric emergencies	<p>Abnormal Labour- Assessment and Management</p> <p>Disorders in labour CPD and contracted pelvis, Malposition s and malpresentations premature labour& Premature Rupture of Membrane</p> <p>disorders of uterine actions- precipitate labour, prolonged labour or dysfunctional labour, abnormal uterine action Obstructed labour Post maturity, Intra uterine fetal death</p> <p>Complications of third stage: Injuries to birth canal Obstetrical emergencies and their management Presentation and prolapsed of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock, inversion of Uterus</p> <p>Obstetrical procedures and operations</p> <p>Induction of labour, forceps, vaccum version, manual removal of placenta, caesarean section, destructive operations. Nursing management of women undergoing Obstetrical operations and procedures</p>	Lecture Discussion Demonstration case discussion/ presentation Practice Session Supervised clinical practice	Essay type short answers objective type Assessment of skills with check list Assessment of patient Management of problems.
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IX	4	Describe management of post natal complications	Abnormalities during Post natal Periods Assessment and management of women with post natal complication Puerperal infections, Breast engorgement & infections, UTI, Thrombo- embolic disorders Difficulties of lactation Suppression of lactation Post- partum hemorrhage, and sub involution Psychological complications <ul style="list-style-type: none"> - Post partum blues - Post partum depression Post partum Psychosis	Lecture discussion Case discussion/ presentation Supervised Clinical practice	Essay type, short answers, Objective type Assessment of skills with checklist Assessment of patient Management of problems
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X	10	Identify the high risk neonates and their nursing management	Assessment and management of high risk newborn Admission of neonates in the neonatal intensive care units. Protocols Nursing management of low birth weight babies- Infections, Respiratory problems Hemolytic disorders Birth injuries, Malformations Monitoring of high risk neonates Kangaroo mother care Feeding of high risk neonates Organization and management of neonatal intensive care units Infection control in neonatal intensive care units Maintenance of reports and records	Lecture discussion demonstration Practice session case discussion/ presentation Supervised clinical practice	Essay type Short answers Objective type Assessment of skills with checklist Assessment of patient management of problems
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XI	4	Describe indications, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers	Pharmaco- therapeutics in Obstetrics Indication, dosage, action, contra indication and side effects of drugs Effect of drugs on pregnancy, labour & puerperium Nursing responsibilities in the administration of drug in Obstetrics oxytocics, anti hypertensives, diuretics, corticosteroids, tocolytic agents, anti convulsants, anticoagulants Analgesics and Anaesthetics in Obstetrics Effects of maternal medication on foetus and neonate Role of obstetric nurse	Lecture Discussion Drug book Drug presentation	Short answers, Objective type
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OBSTETRICAL NURSING- PRACTICAL

PLACEMENT: FOURTH YEAR BSc(Nursing)

Areas	Duration in weeks	Objective	Skills	Assignments	Assessment method
Antenatal Ward, OPD, Clinic	2	Assessment of pregnant women	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Conduct Antenatal Examinations - 30 Health talk-1 Case book Recordings-20 Case study Normal-1 Abnormal-1 Case presentation-1 	Verification of findings of Antenatal examinations Completion of case book recordings Evaluation of health talk Evaluation of case study Clinical performance evaluation
Labour room OT	4	Assess woman in labour prepare the woman for labour conduct normal deliveries perform episiotomy and suture it Assist with normal delivery Resuscitate newborns	<ul style="list-style-type: none"> Assessment of Woman in labour Prepare the women for labour Monitoring and caring of woman in labour Maintenance of partogram Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns Assist with abnormal vaginal delivery Assessment of risk status of newborn Episiotomy 	Conduct normal deliveries- 20 Per vaginal examinations -5 Perform and suture the episiotomies-5 Resuscitate new borns-5 Assist with Caesarean sections-5 Witness/ Assist abnormal deliveries-5 Assist with other surgical procedures- case book recordings	<ul style="list-style-type: none"> Assessment of clinical performance Assessment of each skill with check lists Completion of Case book Recordings Instrument used in Obstetric practice- Viva voice

		Assist with caesarean sections Assist with other surgical procedures	and suturing <ul style="list-style-type: none"> • Maintenance of labour and birth records • Arrange for and assist with Caesarean section and care for woman & baby during Caesarean Arrange for and assist with other surgical procedures		
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Post natal ward	3	Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood	<ul style="list-style-type: none"> • Examination and assessment of normal and high risk mother and baby • Identification of deviations Care of postnatal normal and high risk mother and baby • Teaching post natal mother Mother craft Post natal care & exercises • Immunization 	<ul style="list-style-type: none"> • Give care to post natal mothers-20 • Health talks-2 • Case study- • Normal -1 • Abnormal -1 • Case presentation-1 • Case book recordings 	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	1	Provide nursing care to newborn at risk	<ul style="list-style-type: none"> • Admission of neonates • Feeding of at risk neonates • Witness/ assist with assessment and care of high risk newborn • Thermal management of neonates kangaroo mother care, care of baby in incubator • Monitoring and care of neonates Administering medication Intravenous therapy • Assisting with diagnostic 	Case study-1 Observation study-1	Assessment of clinical performance Evaluation of observation report

			procedure <ul style="list-style-type: none"> Assisting with exchange transfusion Care of baby on ventilator Phototherapy infection control protocols in the nursery Teaching and counseling of parents Maintenance of neonatal records 		
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Family Welfare Clinic/ post natal clinic	Rotation from post natal ward 1 wk	Counsel for and provide family welfare services	<ul style="list-style-type: none"> Counseling Technique Assist with insertion of IUCD Teaching on use of family planning methods Arrange for and Assist with planning operations Maintenance of records and reports family 	IUD insertion -5 Observation report Counseling-2 Recording and reporting	Evaluation and observation report
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Essential Requirements for registration as Midwife

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

Note: All case books must be certified by teacher on completion of essential requirements

INTERNSHIP OBSTETRICAL NURSING

Internship Duration: 5 weeks

Area	Duration(in weeks)	Objectives	Skills	Assignment	Assignment method
Labor 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
Neonatal intensive care unit/NICU	1				Completion of casebook recordings
Antenatal ward	2				