

Syllabus For B.SC Nursing

ENGLISH

Placement: First year

Theory - 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> ➤ Speak & 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 grammar ➤ 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. 	<ul style="list-style-type: none"> ➤ Read and comprehend prescribed course books 	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 	Various forms of composition <ul style="list-style-type: none"> ➤ Letter writing ➤ Note takings ➤ Precis writings ➤ Nurses Notes ➤ Anecdotal records ➤ Diary writing ➤ Reports on health problem etc 	Exercise on writing: <ul style="list-style-type: none"> ➤ Letter writing ➤ Nurses Notes ➤ Précis ➤ Diary ➤ Anecdotal ➤ Health problem ➤ Resume /CV ➤ Essay Writing - Discussion on written reports / documents	Assessment of the skills based on the checklist.
IV	6	<ul style="list-style-type: none"> ➤ Develop skill in spoken English 	Spoken English <ul style="list-style-type: none"> ➤ Oral report ➤ Discussion ➤ Debate ➤ Telephonic Conversion 	Exercise on: <ul style="list-style-type: none"> ➤ Debating ➤ Participating in Seminar, Panel, Symposium ➤ Telephonic Conversion ➤ Conversation in different situations, practice in public speaking 	Assessment of the skills based on the checklist.

V	4	➤ Developing skills in listening comprehension	Listening Comprehension ➤ Media, audio, video, speeches etc.	Exercise on: ➤ Listening to audio, video tapes and identify the key points	Assessment of the skills based on the checklist.
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ANATOMY

Placement: First year

Theory - 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	<ul style="list-style-type: none"> ➤ Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands 	<p>Introduction to Anatomical terms organization of the human body</p> <ul style="list-style-type: none"> ➤ Human Cell structure ➤ Tissues -Definition, Types, characteristics, classification, location, functions and formation ➤ Membranes and glands - classification and structure <p>Alterations in disease Applications and implications nursing</p>	<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 	<p>The Skeletal System</p> <ul style="list-style-type: none"> ➤ Bones- types, structure, Axial & Appendicular Skeleton, ➤ Bone formation and growth ➤ Description of bones ➤ Joints - classification <p>and structure</p> <ul style="list-style-type: none"> ➤ Alterations in disease <p>Applications and implications in nursing</p>	<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 	<p>The Muscular System</p> <ul style="list-style-type: none"> ➤ Types and structure of muscles ➤ Muscle groups <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using chart, 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	➤ 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	Explain the structure & functions of sensory organs	The Sensory Organs <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	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 <ul style="list-style-type: none"> - Lymphatic tissues - 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

unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	5	➤ Describe the structure & functions of respiratory system	The Respiratory System • Structure of the organs of respiration • Muscles of respiration: Intercostals and Diaphragm Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
VIII	6	Describe the structure & functions of digestive system	The Digestive System • Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
IX	4	Describe the structure & functions Of excretory system	The Excretory System (Urinary) • Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
X	4	Describe the structure & functions of endocrine system	•The Endocrine System Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type
XI	4	Describe the structure and functions of reproductive system	The Reproductive system including breast • Structure of female reproductive organs • Structure of male reproductive organs. • Structure of breast Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book	➤ Short answer questions ➤ Objective type

PHYSIOLOGY

Placement: First year

Theory - 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> ➤ 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 & growth ➤ Bones - Functions and movements 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 slides, specimen 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 	Nervous System <ul style="list-style-type: none"> ➤ Functions of Neurologia & neurons ➤ Stimulus & nerve-impulse- definitions and mechanism ➤ Functions of brain, spinal cord, cranial and spinal nerves ➤ Cerebrospinal fluid- 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using, Charts, models and films ➤ Demonstrate nerve stimulus, reflex action, 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

		and stimulus	<p>Composition, circulation and function</p> <ul style="list-style-type: none"> ➤ Reflex arc, Reflex action and reflexes <p>Autonomic functions— Pain: somatic, visceral, and referred Autonomic learning and biofeedback Alterations in disease Applications and implications in nursing</p>	reflexes	
V	8	<p>Describe the physiology blood and functions of Heart Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring</p>	<p>Circulatory System</p> <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 <p>Alterations in disease Applications and implications in nursing</p>	<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 	<p>The Respiratory System</p> <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. <p>Alterations in disease Applications and implications in nursing</p>	<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"> • Describes the physiology of digestive system • Demonstrates BMR 	<p>The Digestive System</p> <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	Describe the physiology of Excretory	<p>The Excretory System</p> <ul style="list-style-type: none"> • Functions of kidneys, ureters, urinary bladder & urethra 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using 	<ul style="list-style-type: none"> ➤ Short answer questions

		System	<ul style="list-style-type: none"> • Composition of urine • Mechanism of urine formation • Functions of skin • Regulation of body temperature • Fluid and electrolyte balance. Alterations in disease Applications and implications in nursing	Charts, films	➤ Objective type
IX	4	• Describe the physiology of sensory organs	The Sensory Organs Functions of skin, eye, ear, nose, tongue, Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using Charts, films	➤ Short answer questions ➤ Objective type
X	5	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	➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of BMR	➤ Short answer questions ➤ Objective type
XI	5	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, Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using Charts, films, models, specimens	➤ Short answer questions ➤ Objective type
XII	2	Describe the physiology of Lymphatic and Immunological System	Lymphatic and Immunological System <ul style="list-style-type: none"> • Circulation of lymph • immunity Formation of T-cells and β cells Types of Immune response Antigens Cytokines Antibodies	➤ Lecture discussion ➤ Explain using Charts, films	➤ Short answer questions ➤ Objective type

NUTRITION

Placement: First year

Theory - 60 Hours

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		<ul style="list-style-type: none"> ➤ Describe the relationship between nutrition & Health. 	<p>Introduction</p> <ul style="list-style-type: none"> • Nutrition: <ul style="list-style-type: none"> - History - Concepts • Role of nutrition in maintaining health • Nutritional problems 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 answer questions ➤ Objective type
II	2		<ul style="list-style-type: none"> ➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates 	<p>Carbohydrates</p> <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 answer questions ➤ Objective type

III	2	<ul style="list-style-type: none"> ➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats 	<p>Fats</p> <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 answer questions ➤ Objective type
IV	2	<ul style="list-style-type: none"> ➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins 	<p>Proteins</p> <ul style="list-style-type: none"> • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions. • Digestion, absorption, metabolism and storage • Malnutrition: Deficiencies and Over consumption 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
V	3	<ul style="list-style-type: none"> ➤ Describe the daily calorie requirement for different categories of people 	<p>Energy</p> <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 answer questions ➤ Objective type
VI	4	<ul style="list-style-type: none"> ➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins 	<p>Vitamins</p> <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 answer questions ➤ Objective type

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

			diet for	<ul style="list-style-type: none"> ➤ Food groups ➤ Recommended Daily 	<ul style="list-style-type: none"> ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Objective type
			different categories of people	<p>Allowance</p> <ul style="list-style-type: none"> • Nutritive value of foods • Calculation of balanced diet for different categories of people <p>Planning menu Budgeting of food Introduction to therapeutic diets: Naturopathy --Diet</p>	<ul style="list-style-type: none"> ➤ Practice session ➤ Meal planning 	<ul style="list-style-type: none"> ➤ 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 status and nutrition education 	<p>Role of nurse in nutritional programmes</p> <ul style="list-style-type: none"> • National programmes related to nutrition <ul style="list-style-type: none"> o Vitamin A deficiency programme o National iodine deficiency disorders (IDD) programme o Mid-day meal programme o Integrated child development scheme (ICDS) • National and International agencies working towards food/nutrition <ul style="list-style-type: none"> o NIPCCD, CARE, FAO, NIN, CFTRI(Central food technology and research institute) etc • Assessment of nutritional status • Nutrition education and role of nurse 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts ➤ Slide /Film shows ➤ Demonstration of Assessment of nutritional status 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

BIOCHEMISTRY

Placement: First year

Theory - 30 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<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 ➤ Microscopy 	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 	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 carbohydrates 	Composition and metabolism of Carbohydrates <ul style="list-style-type: none"> ➤ Types, structure, composition and uses <ul style="list-style-type: none"> - Monosaccharides, - Disaccharides, Polysaccharides, Oligosaccharides 	Lecture discussion Demonstration of blood glucose monitoring	Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Metabolism Pathways of glucose: <ul style="list-style-type: none"> - Glycolysis - Gluconeogenesis: Cori's cycle, Tricarboxylic acid(TCA) cycle - Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) Regulation of blood glucose level Investigations and their Interpretations 		➤
IV	4	➤ Explain the metabolism of Lipids	<p>Composition and metabolism of Lipids</p> <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 - 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 	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
V	6	➤ Explain the metabolism of Amino acids and Proteins	<p>Composition and metabolism of Amino acids and Proteins</p> <p>Types, structure, composition and uses of Amino acids and Proteins</p> <p>Metabolism of Amino acids and Proteins</p>	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Protein synthesis, targeting and glycosylation - Chromatography - Electrophoresis - Sequencing Metabolism of Nitrogen - Fixation and Assimilation - Urea Cycle - Hemes and chlorophylls Enzymes and co-enzymes - Classification Properties - Kinetics and inhibition - Control Investigations and their interpretations		
VI	2	➤ Describe types, composition and utilization of Vitamins & minerals	Composition of Vitamins and minerals • Vitamins and minerals: - Structure - Classification - Properties - Absorption - Storage & transportation - Normal concentration Investigations and their interpretations	Lecture Discussion Demonstrate laboratory tests	Short answer questions Objective type
VII	3	➤ Describe Immuno-chemistry	Immunochemistry • Immune response, • Structure and classification of immunoglobins • Mechanism of antibody production • Antigens: HLA typing. • Free radical and Antioxidants. • Specialised Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein. • Electrophoretic and Quantitative determination of immunoglobins — ELISA etc. Investigations and their interpretations	Lecture Discussion Demonstrate laboratory tests	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 Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	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 and Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care ➤ Health care teams ➤ Types of health care agencies: ➤ Hospitals: Types, Organization Functions ➤ Health Promotion and Levels of Disease Prevention ➤ Primary health care and its delivery: Role of nurse 	Lecture discussion Visit to health care agencies	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answer questions ➤ 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 <ul style="list-style-type: none"> • Characteristics, nature and scope of nursing practice • Functions of nurse Qualities of a nurse 	Lecture discussion Case discussion Role plays	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers ➤ Objective type

			<ul style="list-style-type: none"> - Categories of nursing personnel - Nursing as a Profession - History of Nursing in India Values: Definition, Types, Values Clarification and values in professional Nursing: Caring and Advocacy Ethics: <ul style="list-style-type: none"> - 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 	<p>Hospital admission and discharge</p> <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> - Unit and its preparation - admission bed - Admission procedure - Special considerations - Medico-legal issues - Roles and Responsibilities of the nurse • Discharge from the hospital <ul style="list-style-type: none"> - 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 	Lecture discussion Demonstration Lab Practice Supervised Clinical practice	Essay type Short answers Objective type Assess skills with check list Clinical practical examination
IV	10	Communicate effectively with patient, families and team member and maintain effective human	<p>Communication and Nurse patient relationship</p> <ul style="list-style-type: none"> • Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication <ul style="list-style-type: none"> - Methods of Effective Communication, - Attending skills 	Lecture discussion Role play and video film on the nurses interacting with the patient Practice session on patient	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>relations (projecting professional image) Appreciate the importance of patient teaching in nursing</p>	<ul style="list-style-type: none"> - Rapport building skills - Empathy skills - Barriers to effective communication, <ul style="list-style-type: none"> • Helping Relationships (NPR): Dimensions of Helping Relationships, Phases of a helping relationship • Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group(children, women, physically and mentally challenged and elderly) • Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process 	<p>teaching Supervised Clinical practice</p>	
V	15	<ul style="list-style-type: none"> ➤ Explain the concept, uses, format and steps of nursing process ➤ Documents nursing process as per the Corniat 	<p>The Nursing Process</p> <ul style="list-style-type: none"> • Critical Thinking and Nursing Judgment <ul style="list-style-type: none"> o Critical Thinking: Thinking and Learning, <ul style="list-style-type: none"> o Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview: Application in Practice <ul style="list-style-type: none"> o Nursing process format: INC, current format o Assessment Collection of Data: Types, Sources, Methods - Formulating Nursing judgment: Data interpretation <ul style="list-style-type: none"> o Nursing diagnosis - Identification of client problems - Nursing diagnosis statement • Difference between medical and nursing diagnosis <ul style="list-style-type: none"> o Planning 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Exercise • Supervised Clinical practice 	<p>Essay type Short answers Objective type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Establishing Priorities - Establishing Goals and Expected Outcomes, - Selection of interventions: Protocols and standing Orders - Writing the Nursing Care Plan Implementation — Implementing the plan of care 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 	<p>Documentation and Reporting</p> <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 • Methods of Recording, • Reporting: Change-of shift reports: Transfer reports, Incident reports • Minimizing legal Liability through effective record keeping 	Lecture discussion Demonstration Practice Session Supervised Clinical practice	Essay type Short answers Objective type
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: • Body temperature: <ul style="list-style-type: none"> • Physiology, Regulation, Factors affecting body temperature, • Assessment of body temperature: sites, equipments and technique, special considerations 	Lecture Discussion Demonstration Practice Supervised Clinical practice	Essay type Short answers Objective type Assess with check list and clinical practical

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Temperature alterations: 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 - Assessment of blood pressure: sites, equipments and technique, special considerations - Alterations in blood pressure Recording of vital signs 		
VIII	30	<ul style="list-style-type: none"> ➤ Describe purpose and process of health assessment ➤ Describe the health assessment each body system 	<p>Health assessment</p> <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 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Practice on simulators ➤ Supervised Clinical practice 	<p>Essay type</p> <p>Short answers</p> <p>Objective Type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Perform health assessment of each body - system	General assessment Assessment of each body System Recording of health assessment		
IX	5	➤ Identifies the various machinery, equipment and linen and their care	Machinery, Equipment and linen Types: Disposables and reusables- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction : - Indent - Maintenance - Inventory	➤ Lecture discussion ➤ Demonstration	➤ Essay type ➤ Short answers ➤ Objective type
X	60	➤ 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 • Basic needs (Activities of daily living) Providing safe and clean environment: - Physical -environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control - - Reduction of Physical hazards: fire, accidents - Safety devices: Restraints, side rails, airways, trapez etc - Role of nurse in providing safe and clean environment Hygiene: - - Factors Influencing Hygienic Practice - Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose • Assessment, Principles, Types, Equipments, Procedure, Special Considerations - Patient environment: Room Equipment and linen, Making patient beds	• Lecture discussion • Demonstration • Practice sessions • Supervised • Clinical practice	➤ Essay type ➤ Short answers ➤ Objective type ➤ Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> -Types of beds and bed making Comfort: - - Factors Influencing Comfort - Comfort devices Physiological needs: -Sleep and Rest: - Physiology of sleep - Factors affecting sleep - Promoting Rest and sleep - Sleep Disorders Nutrition: - - Importance - Factors affecting nutritional - Assessment of nutritional needs: Variables - Meeting Nutritional needs: Principles, equipments, procedure and special considerations -Oral - Enteral: Naso/ Orogastric, gastrostomy - Parenteral: - Urinary Elimination - Review of Physiology of Urine Elimination, Composition and characteristics of urine Factors Influencing Urination Alteration in Urinary Elimination Types and Collection of urine specimen: Observation, urine testing Facilitating urine elimination: assessment, types, equipments, procedures and special considerations - Providing urinal / bed pan 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> o Condom drainage o Perineal care o Catheterization o Care of urinary drainage o Care of urinary diversions o Bladder irrigation <ul style="list-style-type: none"> ▪ Bowel Elimination - Review of Physiology of Bowel Elimination, Composition and characteristics of faeces - Factors affecting Bowel elimination - Alteration in Bowel Elimination - Types and Collection of specimen of faeces: Observation - Facilitating bowel elimination: assessment, equipments, procedures and special considerations Passing of Flatus tube Enemas Suppository Sitz bath Bowel wash Care of Ostomies Mobility and Immobility - Principles of Body Mechanics - Maintenance of normal body dignment and mobility - Factors affecting body Alignment and mobility - Hazards associated with immobility - Alteration in body Alignment and mobility - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			special considerations, rehabilitation aspects Range of motion exercises o Maintaining body alignment: Positions Moving Lifting Transferring Walking Restraints - Oxygenation - Review of Cardiovascular and respiratory Physiology - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations Maintenance of patent airway Oxygen administration Suction Inhalations: dry and moist Chest physiotherapy and postural drainage Care of Chest drainage Pulse oximetry CPR- Basic life support Fluid, Electrolyte, and Acid — Base Balances - Review of Physiological Regulation of Fluid, Electrolyte, and Acid -Base Balances - Factors Affecting Fluid, Electrolyte, and Acid - Base Balances - Alterations in Fluid, Electrolyte, and Acid - Base Balances Nursing interventions in Fluid, Electrolyte, and Acid		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Base imbalances: assessment, types, equipment, procedure and special considerations o Measuring fluid intake and output Correcting Fluid, Electrolyte Imbalance: Replacement of fluids: Oral and Parenteral Venipuncture, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing, Administering Blood transfusion Restriction of fluids Psychosocial Needs Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving Assessment of psychosocial needs - Nursing intervention for psychosocial needs - Assist with coping and adaptation - Creating therapeutic environment <ul style="list-style-type: none"> o Recreational and diversional therapies 		
XI	20	Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical	<p>Infection control in Clinical settings</p> <ul style="list-style-type: none"> • Infection control Nature of infection Chain of infection transmission Defenses against infection: natural and acquired Hospital acquired infection (Nosocomial infection) 	Lecture discussion Demonstration Practice session Supervised Clinical practice	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		settings	<ul style="list-style-type: none"> • Concept of asepsis: medical asepsis, and surgical asepsis Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> - Hand washing: simple, hand antiseptics and surgical antiseptics (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 - Types of hospital waste - Hazards associated with hospital waste - Decontamination of hospital waste - Segregation and Transportation and disposal 		
XII	40	<p>Explain the principles, routes, effects of administration of medications</p> <p>Calculate conversions of drugs and dosages within and between systems of measurements</p>	<p>Administration of Medications</p> <ul style="list-style-type: none"> • General Principles/Considerations Purposes of Medication Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Errors <ul style="list-style-type: none"> - Drug forms - Routes of administration - Storage and maintenance of drugs and Nurses responsibility - Broad classification of drugs 	<p>Lecture</p> <p>discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised</p> <p>Clinical practice</p>	<p>.Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assess with check list and clinical practical examination</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Administer drugs by the following routes-oral, Intradermal, Subcutaneous Intramuscular, Intra Venous topical, inhalation	<ul style="list-style-type: none"> - Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions, - Factors Influencing drug Actions, - 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 infusion sets - Protection from Needlestick Injuries : Giving Medications with a safety syringes - Routes of parenteral therapies - Intradermal: purpose, site, equipment, procedure, special considerations - Subcutaneous: purpose, site, equipment, procedure, special considerations - Intramuscular: purpose, site, equipment, procedure, special considerations - Intra Venous: purpose,site, equipment, procedure, special considerations - Advanced techniques: 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intraarterial- Role of nurse Topical Administration: purposes, site, equipment, procedure, special considerations for Application to Skin Application to mucous membrane - Direct application of liquids-Gargle and swabbing the throat - Insertion of Drug into body cavity: Suppository, medicated packing in rectum/vagina - Instillations:, Ear, Eye, Nasal, Bladder, and Rectal - Irrigations: Eye, Ear, Bladder, Vaginal and Rectal - Spraying: Nose and throat Inhalation: Nasal, oral, endotracheal (steam, oxygen and medications) purposes, types, equipment, procedure, special considerations - Recording and reporting of medications administered		
XIII	10	Describe the pre and post operative care of patients Explain the process of wound healing Explain the principles and techniques of care	Meeting needs of Perioperative patients Definition and concept of Perioperative Nursing Preoperative Phase - Preparation of patient for surgery Intraoperative Operation theatre Set up and environment - Role of nurse Postoperative Phase	Lecture discussion Demonstration Practice session Supervised Clinical practice	Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Perform care of wounds	<ul style="list-style-type: none"> - Recovery unit - Post operative unit - Postoperative care, Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing Surgical asepsis Care of the wound: types, equipments, procedure and special considerations - Dressings, Suture Care, - Care of Drainage - Application of Bandages, Binders, Splints & Slings - Heat and Cold Therapy 		
XIV	15	Explain care of patients having alterations in body functioning	<p>Meeting special needs of the patient</p> <p>Care of patients having 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; 	<p>Lecture</p> <p>discussion</p> <p>Case discussions</p> <p>Supervised clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective Type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>- Communication Methods and special considerations</p> <p>- Respiration (distress); Types, Assessment, Management</p> <p>Comfort - (Pain) - Nature, Types, Factors influencing Pain, Coping, Assessment, Management;</p> <p>Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric - analysis</p>		
XV	5	Explain care of terminally ill patient	<p>Care of Terminally ill patient</p> <p>- Concepts of Loss, Grief, grieving Process</p> <p>- Signs of clinical death</p> <p>- Care of dying patient: special considerations</p> <p>- Advance directives: euthanasia, will, dying declaration ,organ donation etc</p> <p>- Medico-legal issues</p> <p>- Care of dead body: equipment, procedure and care of unit</p> <p>- Autopsy</p> <p>- Embalming</p>	<ul style="list-style-type: none"> ▪ Lecture discussion ▪ Demonstration ▪ Case discussion / Role play ▪ Practice session ▪ Supervised ▪ Clinical practice 	<p>Essay type</p> <p>Short answers</p> <p>Objective Type</p>
XVI	6	Explain the basic concepts of conceptual and theoretical models of nursing	<p>Professional Nursing concepts and practices</p> <p>Conceptual and theoretical models of nursing practice: Introduction to models- holistic model, health belief model, health promotion model etc</p> <p>Introduction to Theories in Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's</p> <p>Linking theories with nursing process</p>	<ul style="list-style-type: none"> ▪ Lecture discussion 	<p>Essay type</p> <p>Short Answers</p>

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 the philosophy, objectives, theories and process of nursing in various clinical settings. It is aimed helping the students to acquire knowledge, understanding and skills iii techniques of nursing and practice them in clinical settings.

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
Demonstration Lab General Medical and surgery ward	200 450 Minimum practice time in clinical area)	Performs admission and discharge procedure	Hospital admission and discharge (III) <ul style="list-style-type: none"> ➤ Admission ➤ Prepare Unit for new patient ➤ Prepare admission bed ➤ Performs admission procedure ➤ New patient ➤ Transfer in Prepare patient records ➤ Discharge/Transfer out ➤ 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 	Practice in Unit! hospital	<ul style="list-style-type: none"> ➤ Evaluate with checklist ➤ Assessment of clinical performance with rating scale ➤ Completion of Practical record
		<ul style="list-style-type: none"> ➤ Prepares nursing care plan as per the nursing process format 	Perform assessment: <ul style="list-style-type: none"> • History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions • Write Nursing Care Plan • Gives care as per the plan 	Write nursing process records of patient Simulated - Actual -	<ul style="list-style-type: none"> ➤ Assessment of nursing process records with checklist ➤ Assessment of actual care given with rating scale

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> ▪ Communicate effectively with patient, 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 	<p>Communication Use verbal and non verbal communication techniques</p> <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, Incident reports etc. ▪ Presents patient report <p>Vital signs • Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure</p> <p>Health assessment</p> <ul style="list-style-type: none"> ▪ Health history taking ▪ Perform assessment: <ul style="list-style-type: none"> - General - Body systems ▪ Use various methods of physical examination ▪ Inspection, Palpation, ▪ Percussion, Auscultation, ▪ Olfaction ▪ Identification of system wise deviations 	<ul style="list-style-type: none"> ▪ Role-plays in simulated situations on communication techniques-I ▪ Health talk-I ▪ Write nurses notes and present the patient report of 2-3 assigned patient ▪ Lab practice Measure Vital signs of assigned patient 	<ul style="list-style-type: none"> ➤ Assess role plays with the check-list on comm.-unication techniques ➤ Assess health talk with the checklist ➤ Assessment of communication techniques by rating scale ➤ Assessment of performance with rating scale ➤ Assessment of each skill with checklist ➤ Completion of activity record

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> ▪ Provide basic nursing care to patients 	<p>Prepare Patient's unit:</p> <ul style="list-style-type: none"> ▪ Prepare beds: ▪ Open, closed, occupied, ▪ Operation, amputation, ▪ Cardiac, fracture, burn, divided & Fowlers bed ▪ Pain assessment and provision for comfort <p>Use comfort devices</p> <p>Hygienic care:</p> <ul style="list-style-type: none"> ▪ Oral hygiene: ▪ 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</p> <p>Assisting bowel Elimination:</p> <ul style="list-style-type: none"> ▪ Insertion of Flatus tube ▪ Enemas ▪ Insertion of Suppository <p>Bowel wash</p> <p>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 <p>Oxygen administration</p> <p>Suctioning: oropharyngeal, nasopharyngeal</p>	<ul style="list-style-type: none"> ▪ Practice in lab & hospital ▪ Simulated exercise on CPR manikin 	<ul style="list-style-type: none"> ➤ Assessment of each skill with rating scale Completion of activity record

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<p>Chest physiotherapy and postural drainage</p> <p>Care of Chest drainage</p> <p>CPR- Basic life support</p> <p>Intravenous therapy</p> <p>Blood and blood component therapy</p> <p>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</p> <p>Perform lab tests:</p> <ul style="list-style-type: none"> ▪ Urine: sugar, -albumin, acetone ▪ Blood: sugar (with strip! gluco-meter) <p>Hot and cold applications: 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 patients</p> <p>Recreational and diversional therapies</p> <p>Caring of patient with alteration in sensorium</p>		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
	100	<ul style="list-style-type: none"> ▪ Administer drugs 	<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 ▪ Irrigations: Eye, Ear, Bladder, Vagina and Rectum ▪ Inhalations: dry and moist 		
		<ul style="list-style-type: none"> ▪ Provide care to dying and dead ▪ Counsel and support relatives 	<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 acquire knowledge of fundamentals of psychology and develop an insight into behaviour of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe the history, scope and methods of psychology	Introduction <ul style="list-style-type: none"> ➤ History and origin of science of psychology ➤ Definitions & Scope of Psychology ➤ Relevance to nursing ➤ Methods of Psychology 	Lecture discussion	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answer
II	4	➤ Explain the biology of Human behaviour	Biology of behaviour <ul style="list-style-type: none"> • Body mind relationship- modulation process in health and illness • Genetics and behaviour: Heredity and environment • Brain and behaviour: Nervous System,, Neurons and synapse, • Association Cortex, Rt and Lt Hemispheres • Psychology of Sensations • Muscular and glandular controls of behaviour • Nature of behaviour of an organism/Integrated_responses 	Lecture discussion	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers
III	20	➤ Describe various cognitive processes and their applications	Cognitive processes <ul style="list-style-type: none"> • Attention: Types, determinants, Duration & 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 and methods of memorizing and Forgetting 	Lecture Discussion Psychometric assessment: Practice sessions	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Thinking: Types and levels, stages of development, Relationship with language and communication Intelligence: Meaning, classification, uses, theories Aptitude: Concept, types, Individual differences and variability Psychometric assessments of cognitive processes Alterations in cognitive processes Applications		
IV	8	➤ Describe motivation, emotions, stress, attitudes and their influence on behaviour	Motivation and Emotional Processes: • Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution • Emotions & stress Emotion: Definition, components, Changes in emotions, theories emotional adjustments, emotions in health and illness Stress: stressors, cycle, effect, adaptation & coping • Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes Attitudinal change • Psychometric assessments of emotions and attitudes • Alterations in emotions Applications	Lecture Discussion Role plays Case Discussion Demonstration	➤ Essay type ➤ Short answers
V	7	Explain the concepts of personality and its influence on behaviour	Personality Definitions, topography, types, Theories Psychometric assessments of personality	Lecture discussion Demonstration	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Alterations in personality Applications		
VI	7	➤ Describe psychology of people during the life cycle	Developmental Psychology <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 	Lecture Discussion Case Discussion	Essay type Short answers
VII	8	Describe the characteristics of Mentally healthy Person Explain ego defence mechanisms	Mental hygiene and mental Health <ul style="list-style-type: none"> • Concepts of mental hygiene and mental health • Characteristics of mentally healthy person • Warning signs of poor mental health • Promotive and Preventive mental health-strategies and services • Ego Defence mechanisms and implications • Personal and social adjustments • Guidance and counselling • Role of nurse 	Lecture Discussion Case Discussion Role play Demonstration	Essay type Short answers
VIII	4	Explain the Psychological assessments and role of nurse	Psychological assessment & tests <ul style="list-style-type: none"> • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment 	Lecture Discussion Demonstration Practice sessions	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 micro-organisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		<ul style="list-style-type: none"> ➤ Explain concepts and principles of microbiology and their Importance 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 answer questions ➤ Objective type
II	10	5	<ul style="list-style-type: none"> ➤ Describe structure, classification morphology and growth of bacteria Identify Micro-organisms 	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 • Temperature • Moisture • Blood and body fluids • Laboratory methods for Identification of Microorganisms • 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 answer questions ➤ Objective type

III	10	2	<ul style="list-style-type: none"> ➤ Describe the methods of infection control Identify the role of nurse in hospital infection 	<p>Infection control</p> <ul style="list-style-type: none"> • Infection: Sources, portals of entry and exit, transmission • Asepsis • Disinfection; Types and methods • Sterilization; Types and Methods 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Demonstration ➤ Visits to CSSD ➤ Clinical practice 	<p>Short answers</p> <ul style="list-style-type: none"> ➤ Objective type
			control programme	<ul style="list-style-type: none"> • Chemotherapy and antibiotics • Standard safety measures • Biomedical waste management • Role of Nurse • Hospital acquired infection • Hospital infection control programme <p>Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc.</p>		
IV	12	4	Describe the different disease producing organisms	<p>Pathogenic organisms</p> <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 <p>Characteristics, Source, portal of entry, transmission of infection</p> <p>Identification of disease producing micro-organisms</p> <p>Collection, handling and transportation of various specimens</p>	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Demonstration 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
V	8	4	Explain the concept of immunity, hyper sensitivity 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 COMPUTERS

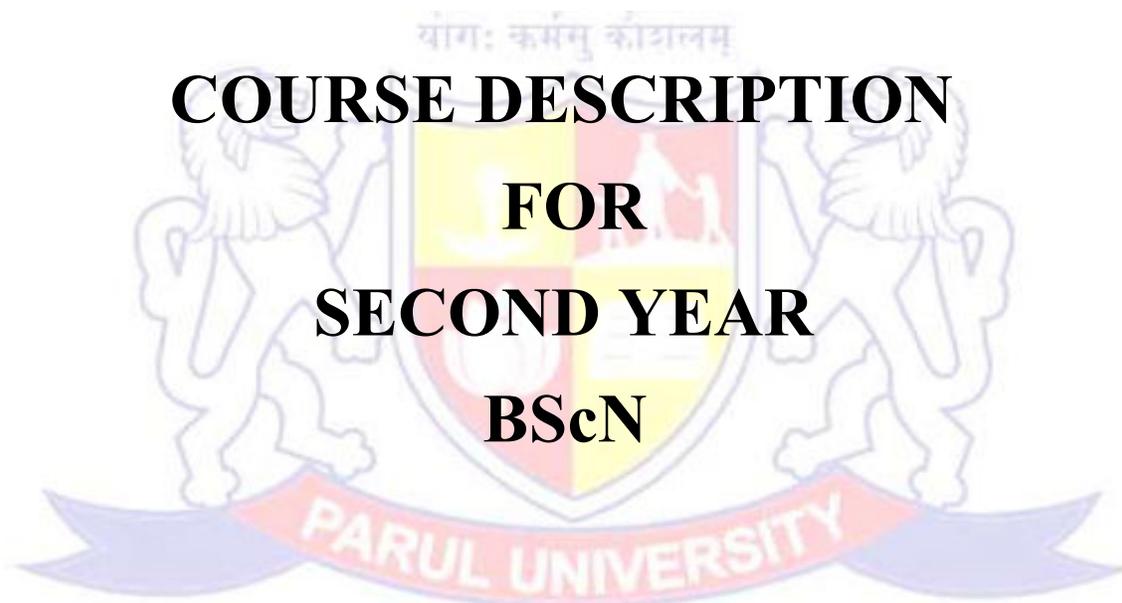
Placement: First year

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 Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	3		<ul style="list-style-type: none"> ➤ Identify & define various concepts used in computer identify application of computer in nursing 	Introduction: <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> ➤ Describe and Use the Disk Operating System ➤ Demonstrate skill in the use of MS Office 	<ul style="list-style-type: none"> • Introduction to disk-operating system DOS • Windows (all version) • Introduction u MS-Word MS-Excel with pictorial presentation o -MS-Access o MS-Power point 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration ➤ Practice Session 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type ➤ Practical Exam
III	2	3	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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	Statistical packages: types and their features	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective

			packages		➤ Practice Session	type ➤ Practical Exam and Viva Voce
VI	1	2	Describe the use of Hospital Management System	Hospital Management System: Types and uses	➤ Lecture ➤ Discussion ➤ Demonstration	➤ Short answer questions ➤ Objective type ➤ Practical Exam and Viva Voce



PARUL INSTITUTE OF NURSING

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SOCIOLOGY

Placement: Second Year

Time: Theory 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	1	State the importance of Sociology in nursing	Introduction -Definition of sociology -Nature of discipline -Importance and application of sociology in nursing	Lecture discussion	-Essay type -Short answers
II	2	Describe the relationship of individual in society and community	Individual and society - Society and community -Nature of society -Difference between society and community -Process of socialization and individualization -Personal disorganization	Lecture discussion	-Essay type -Short answers
III	3	Describe the influence of culture on health and disease	Culture -Nature of culture -Evolution of culture -Diversity and uniformity of culture -Culture and Socialization -Transcultural society -Influence on health and disease	-Lecture discussion -Panel discussion	-Essay type -Short answers
IV	4	Identify various social groups and their interactions	Social groups and processes -The meaning and classification of groups -Primary and Secondary group -In group v/s out group, class, tribe, caste -Economic, political, religious groups, Mob, crowd, public and audience interaction and social processes	Lecture discussion	-Essay type -Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
V	6	Explain the growth of population in India and its impact on health	Population -Society and population -Population distribution in India -Malthusian theory of population -Population explosion in India and its impact on health status -Family welfare program	-Lecture discussion -Community identification	-Essay type -Short answer -Assessment of report on community identification
VI	5	Describe the Institution of family and marriage in India	Family and Marriage -Family-Function -Types- Joint, Nuclear, Blended and extended: Characteristic -The Modern Family- Changes, Problem-Dowry etc., Welfare Services -changes and legislation on family and marriage in India marriage acts -marriage – forms and functions in India -Marriage and family problems in India -Family , marriage and their influence on health and health practices	-Lecture discussion -Family care study	-Essay type -Short answer -Assessment of family case study
VII	7	Describe the class and caste system in India and its influence on health and health practices	Social stratification - meaning and types of social stratification -The Indian caste system origin and features -Features of Caste in India Today -Social class system and status - Social mobility – meaning and types -races and biological concepts, criteria of racial classification -Salient features of primary races- Racism -Influence of class, caste and race on health and health practices	-Lecture discussion -Community survey	-Essay type -Short answer -Assessment of report on community survey

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VIII	6	Describe the types of communities in India, their practices and the impact on health	<p>Types of communities in India (RURAL, URBAN, REGIONAL)</p> <ul style="list-style-type: none"> -features of village community and characteristic 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 -Urban community features -the growth of cities- Urbanization and its impact on health and health practices -major urban problems urban slum region problem and impact on health 	<ul style="list-style-type: none"> -Lecture discussion -visit to urban and rural community -community survey 	<ul style="list-style-type: none"> -Essay type -Short answer -Assessment on report of family survey
IX	4	Explain the process of social change	<p>social change</p> <ul style="list-style-type: none"> -nature and process of social change -factors influencing social changes: cultural change cultural lag -introduction to theories of social change- linear, cyclic, Marxian, functional -role of nurse -change agent 	<ul style="list-style-type: none"> -Lecture discussion 	<ul style="list-style-type: none"> -Essay type -Short answer
X	4	Describe the social system and interrelationship of social organizations	<p>Social organization and social system</p> <ul style="list-style-type: none"> -social organization elements and types -democratic and authoritarian modes of participation -voluntary associations -social system: definition of types of social system -role in status as structural elements of social system -interrelationships of Institution 	<ul style="list-style-type: none"> Lecture discussion Observation visits 	<ul style="list-style-type: none"> -Essay type -Short answer -Assessment of visit report

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
XI	2	Explain the nature and process of social control	Social control -nature and process of social control -political, legal ,religious ,education and economic ,Industrial and Technological system ,norms and values, folkways and mores customs, laws and fashion -role of nurse	-lecture discussion -community survey	-Essay type -Short answer -Assessment of report on community survey
XII	15	Describe the role of the nurse in dealing with social problems in India	Social problems -social disorganization -control and planning poverty, housing , illiteracy, food supplies, prostitution, rights of women and children, vulnerable groups: elderly, handicapped, minority groups and other marginalized groups, child labor, child abuse, delinquency and crime, substance abuse, HIV AIDS -social welfare programme in India -Role of nurse	-lecture discussion -institutional visits	-Essay type -Short answer -Assessment of visit report

PHARMACOLOGY

Placement: Second Year

Time: Theory -45 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	3	Describe pharmacodynamics ,pharmacokinetics classification and principles of drug administration	Introduction to pharmacology -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	-Lecture discussion	-short answers -objective types
II	6	Explain chemotherapy of specific instruction and infestation and nurses responsibility	Chemotherapy -pharmacology of commonly used -penicillin -cephalosporins -aminoglycoside -macrolide and broad spectrum antibiotics -sulfoamides -quinolones -antiameobic -antimalarrials -anthelminitics -antiscabies agents -antiviral and antifungal agents -antitubercular drug - anti leprosy drug -anticancer drug -immuno-supperasents	-Lecture discussion -Drug study/presentation	-short answers -objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			Composition, action, dosage, route, indication, contraindication, drug indication, side effects, adverse effects, toxicity and role of nurse		
III	2	Describe antiseptics, disinfectants, insecticides and nurses responsibilities	Pharmacology of commonly used antiseptics disinfectants and insecticides -antiseptics: composition, action, doses, route, indication, contraindication, drug interaction, side effects and adverse effects, toxicity and role of nurse - disinfectants - insecticides	-Lecture discussion -Drug study/presentation	-short answers -objective types
IV	2	Describe drug acting on gastrointestinal system and nurses responsibilities	Drugs acting on GI system - Pharmacology of commonly used - antiemetics - emetics -purgatives - antacids - cholinergic -anticholinergic -fluid and electrolyte therapy -anti diarrheol -histamines - composition, action, dosage, route, indication, contraindication, Side Effects, adverse effect, toxicity and role of nurse	-Lecture discussion -Drug study/presentation	-short answers -objective types
V	2	Describe drug used on respiratory system and nurses responsibilities	Drugs used on respiratory system - Pharmacology of commonly used -antiasthma -mucolytics -decongestants -expectorants -antiussives -Bronchodilator -broncho constrictors	-Lecture discussion -Drug study/presentation	-short answers -objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			Composition, action, dosage, route ,indication, contraindication, drug indication ,side effects, adverse effects, toxicity and role of nurse		
VI	2	Describe drugs used on urinary system in nurses responsibilities	Drugs used on urinary system Pharmacology of commonly used -diuretics - antidiuretic - urinary antiseptics -cholinergic and -anticholinergic -acidifiers -alkalinizers Composition, action, dosage, route ,indication, contraindication, drug indication ,side effects, adverse effects, toxicity and role of nurse	-Lecture discussion -Drug study/presentation	-short answers -objective types
VII	4	Describe drugs used in deaddiction, emergency, deficiency of vitamins and minerals, poisoning, immunization and immunosuppressant and nurses responsibilities	Miscellaneous -drugs used in de addiction -drugs used in CPR and emergency -vitamins and minerals -immunosuppressant -antidotes -ant venom -vaccines and sera	-Lecture discussion -Drug study/presentation	-short answers -objective types
VIII	1	Describe drugs used on skin and mucous membrane and nurses responsibilities	Drugs used on skin and mucous membranes -topical actions for skin, eyes, ear, nose, and buccal cavity -antipruritics Composition, action, dosage, route ,indication, contraindication, drug indication ,side effects, adverse effects, toxicity and role of nurse	-Lecture discussion -Drug study/presentation	-short answers -objective types

IX	8	Described drugs used on nervous system and nurses responsibilities	Drugs acting on nervous system -basic and applied Pharmacology of commonly used -analgesics and anesthetics - analgesics -nonsteroidal anti-inflammatory drugs NSAID -antipyretics -hypnotics and sedative Opioid, non opioid, tranquilizers, general and local anesthetics, gases: oxygen, nitrous oxide, carbon dioxide -cholinergic and anticholinergic : muscle relaxant, major tranquilizers, antipsychotic, antidepressant, anti convulsants, adrenergics, noradrenergic, mood stabilizers, acetylcholine, stimulants Composition, action, dosage, route ,indication, contraindication, drug indication ,side effects, adverse effects, toxicity and role of nurse	-Lecture discussion -Drug study/presentation	-short answers -objective types
X	5	Describe drugs used in cardiovascular system and nurses responsibilities	Cardiovascular drugs -hematinics -Cardiotonics -Anti-anginals - antihypertensive and vasodilators -anti-arrythmatics -plasma expanders -coagulants and anticoagulants -antiplateletics and thrombolytics -hypolipidemics Composition, action, dosage, route ,indication, contraindication, drug indication ,side effects, adverse effects, toxicity and role of nurse	-Lecture discussion -Drug study/presentation	-short answers -objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
XI	4	Describe drugs used for hormonal disorders and supplementation contraception and medical termination of pregnancy nurses responsibility	Drugs used for hormonal disorders & supplementation contraception and medical Termination of pregnancy <ul style="list-style-type: none"> • Insulin & Oral hypoglycemics • Thyroid supplements and suppressants • Steroids, Anabolics • Uterine stimulants & relaxants • Oral contraceptives • Other estrogen-progesterone preparations • Corticotropin & Gonadotropins Adrenaline • Prostaglandins Calcitonins Calcium salts • Calcium regulators Composition, action, dosage, route, indications. contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture discussion Drug study presentation	-short answers -objective types
XII	6	Demonstrate awareness of the common drugs used in alternative system medicine	Introduction to Drugs used in alternative systems of medicine: Ayurveda, Homeopathy, Unani and Siddha etc.	Lecture discussion Drug study presentation	-short answers -objective types

PATHOLOGY AND GENETICS

Placement: Second year

Section A: Pathology

Time: Theory- 30 Hours

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

Unit	Time (Hrs)		Learning objectives	Content	Teaching learning activities	Assessment methods
	Th.	Pr.				
I	3		Define the common terms used in pathology	Introduction -Review of cell and tissues -Definition of terms -Methods & techniques - Cellular & tissue changes -Infiltration and regeneration -Inflammations and infections -Wound healing and repair -Vascular changes Cellular growth and neoplasm -Normal and cancer cell -Benign and malignant growths -In situ carcinoma Disturbances of fluid and electrolyte balance	-lecture discussion -explain using charts	-short answers -objective types
II	10	5	Explain the pathological changes in disease condition of various systems	Systemic Pathology -Pathological changes in disease conditions of various systems: -Respiratory tract -Tuberculosis, Bronchitis, Pleural effusion & Pneumonia -Lung abscess, emphysema, bronchiectasis -Bronchial asthma, chronic obstructive pulmonary disease and tumors -Cardiovascular system -Pericardial effusion -Rheumatic heart disease	-lecture discussion -explain using charts, slides, specimens, X rays and scans -visit to pathology lab, endoscopy unit and OT	-short answers -objective types

Unit	Time (Hrs)		Learning objectives	Content	Teaching learning activities	Assessment methods
	Th	Pr.				
				Infective endocarditis, atherosclerosis -Ischemia, infarction & aneurysm -Gastrointestinal tract -Peptic ulcer, Typhoid -Carcinoma of GI tract buccal, esophageal, gastric and intestinal -Liver, Gall bladder & pancreas -Hepatitis, chronic liver abscess, Cirrhosis -Tumours of liver, gall bladder and pancreas -Cholecystitis -Kidneys & Urinary tract -Glomerulonephritis, pyelonephritis -Calculi, Renal failure, renal carcinoma & Cystitis -Diabetes Mellitus -Male genital system -Cryptorchidism, testicular atrophy -Prostatic hyperplasia, Carcinoma penis & prostate -Female genital system -Fibroids -Carcinoma cervix & endometrium -Vesicular mole, choriocarcinoma -Ectopic gestation -Ovarian cyst & tumours -Cancer breast -Central Nervous System -hydrocephalus -meningitis, encephalitis -Vascular disorders thrombosis, embolism -Stroke, paraplegia, quadriplegia -Tumours, meningiomas-gliomas -Metastatic tumor		

				<ul style="list-style-type: none"> -Skeletal system -Bone healing, osteoporosis, osteomyelitis -Arthritis and tumours 		
III	4	3	Describe various laboratory tests in assessment and monitoring of disease condition	<ul style="list-style-type: none"> -Clinical pathology -Various blood and bone marrow tests in assessment and monitoring of disease conditions -Hemoglobin RBC, white cells & platelet counts Bleeding time, clotting time and prothrombin time -Blood grouping and cross matching -Blood chemistry -Blood culture -Serological and immunological tests -Other blood tests -Examination of bone marrow -Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiological tests, inference and normal values 	<ul style="list-style-type: none"> -lecture discussion -demonstration -visit to clinical pathology and biochemistry la and blood bank 	<ul style="list-style-type: none"> -short answers -objective types
IV	2	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<ul style="list-style-type: none"> -Examination of body cavity fluids, transudates and exudates - The laboratory tests used in CSF analysis -Examination of other body cavity fluids, transudates and exudates- sputum, wound discharge etc. -Analysis of gastric and duodenal contents -Analysis of semen- sperm count, motility and morphology and their importance in infertility -Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values. 	<ul style="list-style-type: none"> -lecture discussion -demonstration 	<ul style="list-style-type: none"> -short answers -objective types

V	1	1	Describe the laboratory tests for examination of urine and faeces	-Urine and faeces -Urine -Physical characteristics -Analysis -Culture and sensitivity ‡ Characteristics -Stool examination: occult blood, ova, parasite and cyst, reducing substance etc -Methods of collection for various tests, inference and normal values	-lecture discussion -demonstration	-short answers -objective types
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Section B – Genetics

Placement: Second year

Time: Theory – 15 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	3	Explain the principles and perspectives of heredity	Introduction -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 pattern of inheritance -Mendelian theory of inheritance -Multiple allots and blood groups -Sex linked inheritance -Mechanism of inheritance -Errors in transmission (Mutation)	-lecture discussion -explain using charts, slides	-short answers -objective types
II	3	Explain maternal, prenatal and genetic influences on development of defects and	Maternal, prenatal and genetic influences on development of defects and diseases -Conditions affecting the	-lecture discussion -explain using charts, slides	-short answers -objective types

		diseases	<p>mother: genetic and infection</p> <p>Consanguinity atopy</p> <ul style="list-style-type: none"> -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) 		
III	2	Explain the screening methods of genetic defects and diseases in neonates and children	<p>Genetic tests in neonates and children</p> <p>Screening for</p> <ul style="list-style-type: none"> -Congenital abnormalities -Developmental delay -Dysmorphism 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, slides 	<ul style="list-style-type: none"> -short answers -objective types
IV	2	Identify genetic disorders in adolescents and adults	<p>Genetic conditions of adolescents and adults</p> <ul style="list-style-type: none"> -Cancer genetics-Familial cancer -Inborn errors of metabolism -Blood group alleles and hematological disorders -Genetic 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 types
V	5	Describe the role of nurse in general services and counselling	<p>Services related to Genetics</p> <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 -explain using charts, slides 	<ul style="list-style-type: none"> -short answers -objective types

MEDICAL SURGICAL NURSING – I

(Adult including Geriatrics)

Placement: Second year

Time: Theory -120 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 setting and at home.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	10	<ul style="list-style-type: none"> -Appreciate the trends in medical and surgical nursing -Describe the role of nurse in caring adult patient in hospital and community -Describe the concepts of medical and surgical apsesis 	<p>Introduction</p> <ul style="list-style-type: none"> -Introduction to Medical Surgical Nursing -Evolution & trends of medical & surgical nursing -Review of concepts of health & illness, diseases concepts, its causes- Classification of diseases, International classification of Diseases lu Acute, chronic & terminal stages of illness -Review of concept of compressive Nursing care in medical Surgical Condition based on Nursing Process. -Role of nurse patients & family in care of adult patients -Role & responsibility of nurse in medical surgical settings: -Outpatient department -In patient department -Intensive care units -Home & community settings Introduction to medical sepsis -Inflammation and Infection -Stress adaptation -Hemorrhage -Nutritional consideration -Immunity -Wound healing Care of surgical patients 	<ul style="list-style-type: none"> -Lecture discussion -demonstration -practice sessions -supervised clinical practice 	<ul style="list-style-type: none"> -Short answers -objective type -assessment of skills with check list

			<ul style="list-style-type: none"> -Pre-operative -Intra operative -Post-operative 		
II	15	Describe the common signs, symptoms, problems and their specific nursing interventions.	<p>Common sign and symptoms and management</p> <ul style="list-style-type: none"> -Fluid & electrolyte imbalance -Vomiting -Dyspnea and cough, respiratory difficulty and obstructions -Fever -Shock -Unconsciousness, syncope ‡ -Pain -Incontinence (bladder & bowel) & retention of urine -Constipation -Diarrhea -Edema -Age related problems- Geriatric problem. 	<ul style="list-style-type: none"> -lecture discussion -seminar -case discussions 	<ul style="list-style-type: none"> -short answers -objective type
III	20	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of respiratory systems	<p>Nursing management of patients adults including elderly with respiratory problems</p> <ul style="list-style-type: none"> -Review of Anatomy & Physiology of respiratory system. -Nursing Assessment -History & Physical assessment -Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities & Medical, surgical, Nutritional & nursing including elderly with -Upper Respiratory tract infections -Bronchitis, Bronchiolitis - Asthma -Emphysema -Empyema -Atelectasis -Chronic obstructive Pulmonary Diseases (COPD) -Bronchiectasis 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -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

			<ul style="list-style-type: none"> -Pneumonia -Pulmonary tuberculosis -Lung abscess -Pleural abscess, effusion -Cysts & Tumors -Chest injuries -Respiratory arrest, ARDS & insufficiency -Pulmonary embolism -Special therapies, alternative therapies -Nursing Procedures -Drugs used in treatment of respiratory disorders. 		
IV	30	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of digestive systems	<p>Nursing management of patient (Adults including elderly) with disorders of Digestive system</p> <ul style="list-style-type: none"> -Review of Anatomy & Physiology of digestive system -Nursing Assessment-history & physical assessment -Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, 4 Nutritional & nursing management -Disorders of oral cavity -Oral cavity- Lips, gums, tongue, salivary and teethesophagus-inflammation, stricture, obstruction, bleeding & esophageal tumour. -Stomach & Duodenum h Hiatus hernia, gastritis, peptic & duodenal ulcer, bleeding, tumour pyloric stenosis -Food allergy & poisoning -Small intestinal infalvation and infection -Ulcerative colitis, entritis, malabsorbtion syndrome -Obstruction, tumors perforation -Large Intestinal disorders 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -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

			<ul style="list-style-type: none"> -Colitis inflammations & infection, obstruction, Tumors, lump Hernis ‡ Appendix -Inflammation, mass, abscess, rupture. ‡ Anal & Rectum -Fistulas, fissures, -Hemorroides and tumour -Peritonitis/ acute abdominal -Pancreas; inflammation, cyst, abscess, tumours -Abdominal trauma ‡ Acute Abdoma to -Pancreas- Acute & chronic pancreatitis, abscess & tumors -Liver Jaundice, hepatitis, cirrhosis, abscess, portal hypertension, hepatic failure and tumors -Gall Bladder, inflammation, -Obstruction, Stones, & tumours -Special Therapies, alternative therapies -Nursing procedures -Drug used in the treatment of disorders & diseases of digestive system 		
V	30	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with blood and cardio vascular problems -Describe the vascular conditions and its nursing management	<p>Nursing management of patient (adults including elderly) with blood and cardiovascular problems</p> <ul style="list-style-type: none"> -Review of Anatomy & Physiology of blood and cardiovascular system -Nursing Assessment history & physical assessment. -Etiology, patho physiology, clinical manifestation, diagnosis, treatment modalities: medical, surgical, -Nutritional & nursing management of: ‡ -Hypertension 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -drug book/presentations -visit to blood bank -participation in blood donation camps -counselling 	<ul style="list-style-type: none"> -essay type -short answers -objective type -assessment of skills with check list -assessment of patient management problem

			<ul style="list-style-type: none"> -Hypotension -Raynaud's disease -Aneurism and Perpherial vascular disorders -Cardiogenic shock -Coronary artery disease -Ischemic heart disease -Coronary atherosclerosis -Angina pectoris -Myocardial infarction -valvular disorders of heart- congenital and acquired, rheumatic heart disease -Endocarditis -Myocarditis -Pericarditis -Cardiomyopathies -Cardiac dysarthmias & heart blocks -CPR <p>Blood</p> <ul style="list-style-type: none"> -Anaemias -Polycythemia -Bleeding & coatings disorder -Thrombocytopenia -Hemophilia -Thalassemia -Leukemia -leucopenia -Agranulocytosis -Lymphomas & Myelomas -Blood bank functioning & Biosafety management related to blood transfusion -Role of nurse in organ donation, transplant, retrieval & banking -Drugs used in cardio vascular system -Alternative therapies -nursing procedures and drugs used in treatment of blood and cardio vascular disorders 		
VI	10	Describe the etiology, patho physiology, clinical	Nursing management of patient (Adults including elderly) with genitio-urinary problems	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides 	<ul style="list-style-type: none"> -essay type -short answers -objective type -assessment of

		manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of genitourinary system	<ul style="list-style-type: none"> -Review of Anatomy & Physiology of genito-urinary systems -Nursing Assessment ±history & physical assessment -Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of <ul style="list-style-type: none"> - Nephritis -Nephrotic syndrome -Nephrosis -Renal calculus -Tumours -Acuterenal failure -Chronic renal failure -End stage renal disease -Dailysis, renal transplant -Congenital disorders, urinary infections -Benign prostate hypertrophyKidney- Polycystic kidney Disorders of ureter, urinary bladder -urethera- inflammation infections -calculi stricture, obstructions -tumors -prostrate -special therapies, alternative therapies -nursing procedures and drugs used in treatment of genitourinary disorders 	<ul style="list-style-type: none"> -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -drug book/presentations 	<ul style="list-style-type: none"> skills with check list -assessment of patient management problem
VII	5	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of	<p>Nursing management of disorders of male (adults including elderly) 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, patho- 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices 	<ul style="list-style-type: none"> -essay type -short answers -objective type -assessment of skills with check list -assessment of patient management problem

		male reproductive system	<p>physiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of male reproductive system</p> <ul style="list-style-type: none"> -Congenital malformations; cryptorchidism -Infections -Hypospadiasis, Epispadiasis -Infection Testis and adjacent structure -Penis -Prostate: inflammation, infection hypertrophy, tumor -Sexual Dysfunction -Infertility -Contraception -Breast, gynecomastia, tumor -Climacteric changes -special therapies, alternative therapies. <p>nursing procedures and drugs used in treatment of male reproductive systems</p>	-drug book/presentations	
VIII	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of endocrine system	<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 of endocrine system -Nursing assessment-history and physical assessment -Etiology, patho-physiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of -Disorders of pituitary -Disorders of thyroid and parathyroid 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -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

			<ul style="list-style-type: none"> -Adrenal tumour -Diabetes mellitus -Diabetes insipidus -Special therapies, alternative therapies -Nursing procedure -drugs used in treatment of endocrine system 		
IX	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of skin	<p>Nursing management of patients (adults including elderly) with disorders of Integumentary system</p> <ul style="list-style-type: none"> -Review of anatomy and physiology of skin and its appendages -Nursing assessment-history and physical assessment -Etiology, Pathphysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and 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 sessions -case discussions/seminars -health education -supervised clinical practices -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
X	15	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and	<p>Nursing management of patients (adults including elderly) with musculoskeletal problems</p> <ul style="list-style-type: none"> -Review of anatomy and physiology of 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case 	<ul style="list-style-type: none"> -essay type -short answers -objective type -assessment of skills with check list -assessment of

		management of patients(adults including elderly) with disorders of musculoskeletal system	<p>musculoskeletal system,</p> <ul style="list-style-type: none"> -Nursing assessment-history and physical assessment -Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of -Disorders of -Muscles, ligaments and joints- inflammation, infection trauma -Bones-inflammation, infection, dislocation, sprain, fracture, tumour & trauma -Osteomalacia and osteoporosis -Arthriti -Congenital deformities -Spinal column and defects and deformities, tumor, Prolapsed inter vertebral disc -Pott's spin -Paget's disease ‡ Amputation -Prosthesis -Transplant and replacement surgeries -Rehabilitation -special therapies, alternative therapies -Nursing procedures, drug used in treatment of disorders of musculoskeletal system 	<p>discussions/seminars</p> <ul style="list-style-type: none"> -health education -supervised clinical practices -drug book/presentations 	<p>patient management problem</p>
XI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of	<p>Nursing management of Patient (adults Including elderly) with Immunological problem</p> <ul style="list-style-type: none"> -Review of Immune system -Nursing Assessment-History and physical assessment -Etiology, Pathophysiology, clinical 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices 	<ul style="list-style-type: none"> -essay type -short answers -objective type -assessment of skills with check list -assessment of patient management problem

		immunological system	<p>manifestations, diagnosis treatment modalities and medical, surgical, dietetics and nursing management of</p> <ul style="list-style-type: none"> -Immunodeficiency disorder -Primary immuno deficiency -Phagocytic dysfunction -B-cell and T-cell deficiencies -Secondary immunodeficiencies -Acquired immunodeficiency syndrome (AIDS) -Incidence of HIV & AIDS -Epidemiology -Transmission-prevention of Transmission -Standard safely precautions -Role of nurse, counseling -Health education and home care consideration. 	-drug book/presentations	
XII	20	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients(adults including elderly) with disorders of communication system	<p>Nursing management of patient (adults including elderly) with Communicable Diseases</p> <ul style="list-style-type: none"> -Overview of infectious disease, the infectious process -Nursing Assessment- History and physical assessment -Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics -Control and eradication of common communicable diseases -Tuberculosis -Diarrhoeal diseases -Hepatitis A-E -Herpes -Chickenpox -Smallpox 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -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

			<ul style="list-style-type: none"> -Typhoid -Meningitis -Gas gangrene -Leprosy -Dengue -Plague -Malaria -Diphtheria -Pertussis -Poliomyelitis -Measles Mumps -Influenza -Tetanus -Yellow fever -Filariasis -HIV, AIDS communicable diseases -Reproductive Tract Infections -Special infection therapies, Alternative therapies -Nursing procedures -Drugs used in treatment 		
XIII	25	<ul style="list-style-type: none"> -Describe the organization and physical set up of operation theater - identify the various instrumental and equipment used for common surgical procedures - describe the infection control measures in OT -Describe the role of nurse in peri-operative nursing care 	<p>Peri Operative nursing: In Organization and physical set up of the operation theatre (OT):</p> <ul style="list-style-type: none"> -Classification -O.T.DESIGN -Staffing -Members of the OT team -Duties and responsibility of nurse in OT -Principles of health and operating room attire -Instruments -Sutures and suture materials -Equipments -O.T. tables and sets for common surgical procedure -Scrubbing procedures -Gowning and gloving -Preparation of O.T. sets -Monitoring the patients during surgical procedures -Maintenance of therapeutics environment -Standard safely measures 	<ul style="list-style-type: none"> -lecture discussion -explain using charts, graphs, models, films, slides -demonstration -practice sessions -case discussions/seminars -health education -supervised clinical practices -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

			<ul style="list-style-type: none">-infection control: fumigation, disinfection and sterilization-Biomedical waste management-Prevention of accidents and hazards in O.T-Anaesthesia-Types &Methods of administration-Effects and stages-Equipment-Drugs-Cardio pulmonary Resuscitation (CPR)-Pain management techniques-Legal Aspects		
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MEDICAL SURGICAL NURSING – I PRACTICAL

(Adult including geriatric)

Placement: Second year

Time: 720 hours

Areas	Duration (in weeks)	Objectives	Skills	Assignment	Assesmet Methods
General Medical Ward (Respiratory, GI, Renal, Endocrine, Hematology)	6	-Provide nursing care to adult patients with medical conditions or disorders -counsel the patients and families	-assessment of patients -taking history -perform general examination -and specific physical examination -identify alteration and deviation -practice medical and surgical asepsis and standard safety measures -administer medications – oral, IV, IM, SC -IV therapy -iv cannulation -maintenance and monitoring -oxygen therapy by different methods -nebulization -chest physiotherapy -naso gastric feeding -assist in common diagnosis -perform and assist in therapeutic procedures -blood and component therapy -throat suctioning -collect specimens for common investigations -maintain elimination -catheterization -bowel wash -enema -urinary drainage	-Plan and give care to 3-4 patients -nursing care plan 2 -nursing case study/presentation 1 -drug presentation 1 -maintain drug book -maintain practical record book	-assess performance with rating scale -assess each skill with check list -evaluation of case study/presentation - completion of practical record

			<ul style="list-style-type: none"> -maintain intake and output and documentation -counsel and teach related to specific disease condition 		
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 the patient and family 	<ul style="list-style-type: none"> -practice medical surgical asepsis and standard safety measures -pre operative preparations of clients -post operative care and assessment and monitoring -care of wounds and drainage -suture removal -amputation and exercise -naso gastric aspiration -care of chest drainage -ostomy care -blood and component therapy -practice universal precaution 	<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 book
Cardiology Ward	2	<ul style="list-style-type: none"> -provide nursing care to patients with cardiac disorders -counsel patient and family 	<ul style="list-style-type: none"> -physical examination of cardio vascular systems -recording and interpreting ECG -administer cardiac drugs -cardio pulmonary resuscitation -practice medical and surgical safety standards 	<ul style="list-style-type: none"> -plan and give 2-3 assigned patients -nursing care plan 3 -Health talk 1 -Maintain drug book 	<ul style="list-style-type: none"> -assess performance with rating scale -evaluation of counseling or health talk - completion of record book
Skin and Communicable disease Ward	1	<ul style="list-style-type: none"> -identify skin problems -provide nursing care to patients -counsel and educate patient and family 	<ul style="list-style-type: none"> -assessment of patients with skin disorder -assist in diagnostic and therapeutic procedures -administer tropical medications 	<ul style="list-style-type: none"> -plan and give care to 2-3 assigned patients -health talk/counseling to HIV positive patients and 	<ul style="list-style-type: none"> -assess performance with rating scale -evaluation of health talk/counseling session

			<ul style="list-style-type: none"> -practice medical and surgical asepsis -standard safety measures -use of personal protective equipments -give medicated bath -counseling HIV positive patients -teach prevention of infectious diseases 	<ul style="list-style-type: none"> families -maintain drug book 	<ul style="list-style-type: none"> - completion of activity record book
Orthopedic Ward	2	<ul style="list-style-type: none"> -provide nursing care to patients with musculoskeletal disorders -counsel and educate patient and family 	<ul style="list-style-type: none"> -assessment of orthopedic patient -assist in application of plaster cast and removal of cast -apply skin traction -bucks extension traction -assist in application and removal of prosthetics -physiotherapy -range of motion exercise --muscle strengthening exercise -crutch maneuvering technique -activities of daily living -ambulation -teach and counsel patients and families 	<ul style="list-style-type: none"> - plan and give care to 2-3 assigned patient -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 and case study - completion of activity record book
Operation Theatre	6	<ul style="list-style-type: none"> - Identify instruments used in common operations practices in operation theatre -participate in infection control - set up the table and tray for common operative procedures -assist in giving anesthesia 	<ul style="list-style-type: none"> -scrubbing, gowning, gloving -identify instruments, surgical materials for common operative procedures -disinfection, carbolization, fumigation -preparation of instrument sets for common operation -sterlization of sharp and other 	<ul style="list-style-type: none"> -assist as circulatory nurse in major cases - 10 Minor cases-5 -assist as a scrub nurse in major cases -10 and minor cases 5 -maintain drug book 	<ul style="list-style-type: none"> -assess performance with rating scale - completion of activity record

		<ul style="list-style-type: none"> -assist in operative procedures -provide peri-operative nursing 	<ul style="list-style-type: none"> instruments -prepare the ot table depending on the operation -positioning and monitoring the patients -endotracheal intubation -assisting in major and minor operations -handling specimens -disposal of waste as per guidelines 		
ICU, CCU, Cardiac OT	2	<ul style="list-style-type: none"> -To gained proficiency in ICU nursing - develop advance skills in special procedures -identify potential problem and provide accordingly -skill in setting and handling ventilator -administer injection in infusion pump -record accurately finding and medications -develop IPR with family members -acquaint with OT technique 	<ul style="list-style-type: none"> -assist in arterial puncture for blood gas analysis -perform ECG and interpret accordingly -conduct and analysis pulse oximetry -care with artificial airway -assist in endotracheal intubation -setting up ventilator -giving care in ventilator -drug sheet -observation of special procedure in OT 	<ul style="list-style-type: none"> -arterial puncture 3 Taking care -ECG strip 3 -Tracheal suction -5 -for all assigned patients -oxygen administration by CPAP mask and use AMBU Bag -assessment of all patients -nursing care in ventilator -drug sheet 	-record book
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> -develop skill in neurological assessment -give care to the patients with head injury and spinal injury -care with chest surgery and cranial surgery 	<ul style="list-style-type: none"> -assess neurological status -implement care to head injury spinal injury patients -drug sheet -pre and post operative care with neurosurgery patients 	<ul style="list-style-type: none"> -assessment for all assign patients -nursing care plan 2 -drug sheet 	-record book observation check sheet

Burns and Plastic Reconstructive surgery	2	-assess the severity of burns -administer rehydration therapy -observe reconstructive surgery	-nursing care		
OT Laparoscopic, Orthopedic, Eye, ENT	3	-identify instruments -assist in OT setup -supervise sterilization -assist in OT table lay out -observe immediately after operation -supervise infection control		-assist 5 cases	-record book

COMMUNITY HEALTH NURSING – I

Placement: Second year

Time: Theory-90 hours Practical-135 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	2	Describe the concept and dimensions of health	Introduction -Community health nursing -Definition, concept and dimensions of health -Determinants of health -Promotion of health -Maintenance of health	-lecture discussion	-short answer
II	20	Describe the determinants of health	Determinants of health -Eugenics - Environmental factors contributing Health- Physical: Air, light Ventilation, water, Housing Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication; Infrastructure facilities -Act Regulation the environment: National Pollution Control board - Bacterial & Viral: Agents, host carriers and immunity Arthropods and Rodents - Acts Regulating Food Hygiene-Prevention of food adulteration acts, Drugs and cosmetic act - Socio-Cultural -Customs, taboos -Marriage System -Family Structure -Status of special Group; Females, Children Elderly, Challenged Groups and Sick persons -Life Style -Hygiene	-lecture discussion -explain using the charts, graphs, models, films, slides -visit the water supply, sewage disposal, milk plants, slaughter house etc.	-essay type -short answer -objective type

			<ul style="list-style-type: none"> -Physical Activity -Recreation and Sleep -Sexual life -Spiritual life philosophy -Self Reliance -Dietary pattern -Education -Occupation -Financial Management income, budget, purchasing powder, security 		
III	10	Describe concept, scope, uses, methods and approaches of epidemiology	<p>Epidemiology</p> <ul style="list-style-type: none"> -Definition, concept, Aims, scope uses and terminology used in epidemiology used in epidemiology -Dynamics of Disease team submission: Epidemiological triad -Morbidity and mortality: measurements -Levels of Prevention -Methods of epidemiology of -Descriptive - Analytical: Epidemic investigation -Experimental 	<ul style="list-style-type: none"> -lecture discussion -explain using the charts, graphs, models, films, slides 	<ul style="list-style-type: none"> -essay type -short answers
IV	25	Describe epidemiology and nursing management of common communicable disease	<p>Epidemiology and nursing management of common Communicable Diseases</p> <p>Respiratory infections</p> <ul style="list-style-type: none"> -Small Pox -Chicken Pox -Measles -Influenza -Rubella -ARIs & Pneumonia -Mumps -Diphtheria -Whooping cough -Meningococcal meningitis -Tuberculosis -SARS Intestinal Infections -Poliomyelitis -Viral Hepatitis 	<ul style="list-style-type: none"> -lecture discussion -explain using the 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 answer -objective type

			<p>Cholera</p> <ul style="list-style-type: none"> - Diarrhoeal diseases -Typhoid Fever -Food poisoning -Amoebiasis -Hook worm infection -Dracunculiasis <p>Arthropod infections</p> <ul style="list-style-type: none"> -Dengue -Malaria -Filariasis <p>Zoonoses</p> <p>Viral</p> <ul style="list-style-type: none"> -Rabies -Yellow fever -Japanese encephalitis -Kyasur 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"> -Rickettsial Zoonoses -Scrub typhus -Murine typhus -Tick typhus -Q fever <p>Parasitic zoonoses</p> <ul style="list-style-type: none"> -Taeniasis -Hydatid disease -Leishmaniasis <p>Surface infection</p> <ul style="list-style-type: none"> -Trachoma -Tetanus -Leprosy -STD & RTI -Yaws -HIV 		
V	10	Describe epidemiology and nursing management of non communicable diseases	<p>Epidemiology and nursing management of Non-communicable diseases</p> <ul style="list-style-type: none"> -Malnutrition: under nutrition, over nutrition, nutritional deficiencies -Anemia -Hypertension -Stroke 	<ul style="list-style-type: none"> -lecture discussion -explain using the 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 answer -objective type

			<ul style="list-style-type: none"> -Rheumatic Heart Diseases -Coronary Heart Diseases - Cancer -Diabetes mellitus -Blindness -Accidents -Mental illness -Obesity -Iodine Deficiency -Fluorosis -Epilepsy 		
VI	6	<p>Describe the concept and scope of demography.</p> <ul style="list-style-type: none"> -describe methods of data collection, analysis and interpretation of demographic data 	<p>Demography</p> <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 -community identification survey 	<ul style="list-style-type: none"> -essay type -short answer -objective type
VII	17	<ul style="list-style-type: none"> -Identify the impact of population explosion in India -Describe methods of population control 	<p>Population and its control:</p> <ul style="list-style-type: none"> -population explosion and 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 -promotion of small family norm -methods: spacing (natural, biological, chemical, mechanical methods etc) -terminal : surgical methods -emergency contraceptions 	<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 answer -objective type -assessment of survey report

COMMUNITY HEALTH NURSING – I PRACTICAL

Placement: Second year

Time: 135 hours

Areas	Duration (in weeks)	Objectives	Skills	Assignment	Assessmet methods
Community health nursing	2 weeks urban 2 weeks rural	-Built and maintain rapport -identify demographic characteristics, health determinants and community health resources -diagnose health needs of individual and families -provide primary care in health center -counsel and educate individual, family and community	-Use techniques of interpersonal relationship -identification of health determinants of community -history taking -physical examination -collect specimens sputum, malaria ,smear -perform simple lab tests at centre blood for hemoglobin and sugar , urine for albumin and sugar -administer vaccine and medications to adults -counsel and teach individual, family and community -nutrition -hygiene -self health monitoring -seeking health services -healthy life styles -family welfare methods Health promotion	-work with 2 assigned families each in urban and rural -family study-1 Observation report of community-1 -Health talks 2 (1 in urban and 1 in rural)	-assess clinical performance with rating scale -assess each with check lists -evaluation of family study, observation report and health talk - completion of activity Record.

COMMUNICATION AND EDUCATIONAL TECHNOLOGY

Placement: Second year

Time: Theory – 90 hours

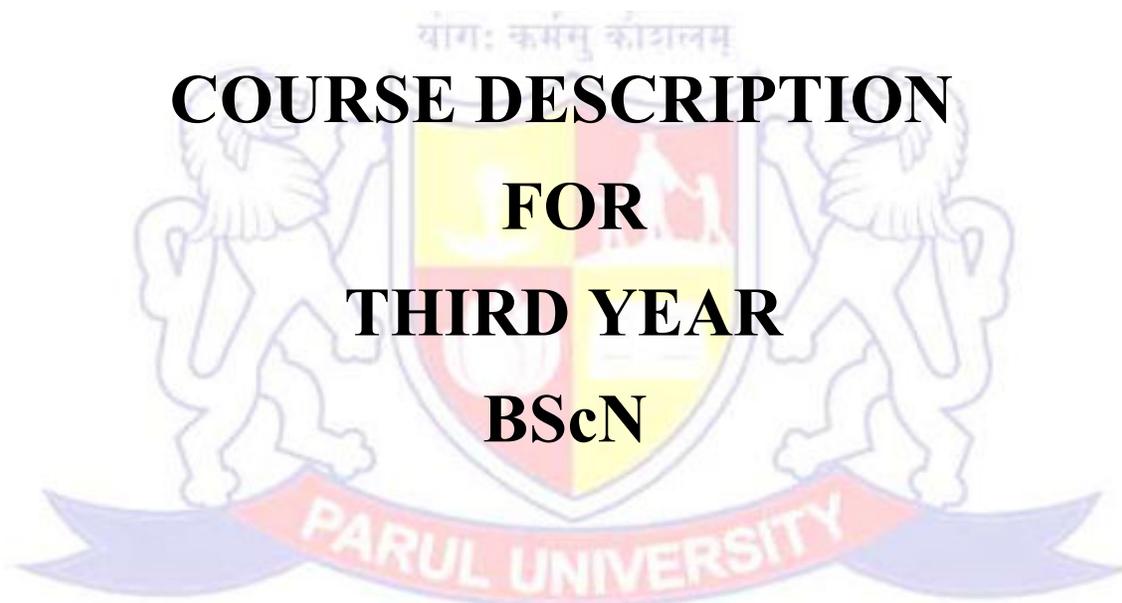
Course Description: This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skills in communicating effectively, maintaining effective interpersonal relations, teaching individuals and groups in clinical, community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

Unit	Time (Hrs)		Learning objectives	Content	Teaching learning activities	Assessment methods
	Th	Pr.				
I	5		-Describe the communication process -Identify techniques of effective communication.	Review of communication process -process, elements and channel -facilitators -barrier and methods of overcoming -technique	-lecture discussion -role play -exercises with audio/videotapes	-respond to critical incidents -short answers -objective type
II	5		Establish effective interpersonal relations with patients, families and co-workers	Interpersonal relations -purpose and types -phases -barrier and methods of overcoming -johari window	-lecture discussion -role play - exercises with audio/videotapes -process recording	-short answers -objective types
III	5		Develop effective human relation in context of Nursing	Human relations -understanding self -social behavior, motivation, social attitudes -individual and groups -Human relations in context of nursing -Group Dynamics -Team Work	-lecture discussion -sociometry -group games -psychometric exercises followed by discussion	-short answers -objective types -respond to test based on critical incidents
IV	10	5	Develop basic skill of counseling and guidance	Guidance and counseling -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	-lecture discussion -role play in counseling in different situations followed by discussion	-short answers -objective types -assess the performance in role play situation

				nursing students and nursing personnel - Counseling process steps & techniques - Tools for collecting information -Problem solving approaches - Management of crisis and referral		
V	5		-Describe the philosophy and principles of education -explain the teaching learning process	Principles of Education & Teaching Learning Process -Education: meaning philosophy aims, functions, & principles - Nature & characteristics of learning - Principles and maxims of learning - Domains of objectives & formulation of general and specific objective - Lesson planning - Classroom management	-lecture discussion -micro teaching -prepare lesson plan -exercise on writing objectives	-short answers -objective types -assess the lesson plans and teaching sessions
VI	10	10	Demonstrate teaching skills using various teaching methods in clinical, classroom and community settings	Methods Of Teaching: -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: - Bedside Clinics, Case Method Nursing rounds, morning & afternoon reports - Conferences:	-lecture discussion -conduct 5 teaching sessions using different methods and media	-short answers -objective type -assess teaching sessions

				<ul style="list-style-type: none"> - Individual & group - Field visits, process recording 		
VII	10	8	Prepare and use different types of educational media effectively	<p>Educational Media</p> <ul style="list-style-type: none"> - Purpose and types of Audio visual and principles and sources etc. - Graphic Aids: - Chalk board, Charts graph poster - Flash cards, flannel Graph, - Bulletin Board, Cartoon - Three Dimensional Aids: - Objects, specimens, models, & puppets. - Printed Aids: - Pamphlets & leaflets. - Projected Aids: - Slides overhead projector transparency preparation - Films, T.V. VCR / VCD - Camera, Microscope, LCD, DVD - Audio Aids: - Tape recorder, public address sytem -computers 	<ul style="list-style-type: none"> -lecture discussion -demonstration -prepare different teaching aids projected and non projected 	<ul style="list-style-type: none"> -short answers -objective types -assess the teaching aids prepared
VIII	5	7	Prepare different types of questions for assessment of knowledge, skills and attitudes	<p>Assessment</p> <ul style="list-style-type: none"> -Purpose & scope of evaluation & assessment - Criteria for selection of assessment technique and methods. - Assessment of knowledge: - Essay Type Questions, - Short answer questions (SAQ), - Multiple-choice questions (MCQ) - Assessment Of Skills - Observation checklist, Practical exam, Viva, Objective Structured, Clinical examination (OSCE) - Assessment of Attitudes: - Attitude Scales 	<ul style="list-style-type: none"> -lecture discussion -exercise on writing different types of assessment tools 	<ul style="list-style-type: none"> -short answers -objective type -assess the strategies used in practice -teaching sessions and exercise sessions

IX	5		Teach individuals, groups and communities about health with their participation	Information, Education & Communication for Health (ICE) -Health behavior and health education - Principles of health education - Health education with individuals, groups and communities - Methods and media for communicating health messages. - Using mass media.	-lecture discussion -plan and conduct health education sessions for individuals, groups and communities	-short answers -objective type -assess the planning and conduct of the educational sessions
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PARUL INSTITUTE OF NURSING

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Medical Surgical Nursing (Adult including Geriatrics) II

Placement: Third year

Time: Theory - 120 hours
Practical - 270hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> ➤ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat 	<ul style="list-style-type: none"> ➤ Nursing management of Patient with disorders of Ear Nose and Throat ➤ 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 tumours ➤ Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours ➤ Inner ear- Meniere's Disease, labyrinthitis, ototoxicity, tumours ➤ Upper airway infections — Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis ➤ Upper respiratory airway — epistaxis, ➤ Nasal obstruction, laryngeal obstruction, cancer of the larynx 	<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

			<ul style="list-style-type: none"> ➤ Cancer of the oral cavity ➤ Speech defects and speech therapy ➤ Deafness - ➤ Prevention, control and rehabilitation ➤ Hearing Aids, implanted hearing devices ➤ Special therapies nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness. 		
II	15	Describe the etiology, path physiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.	<ul style="list-style-type: none"> ➤ Nursing management of patient with disorders of eye ➤ Review of anatomy and physiology of the eye- ➤ Nursing Assessment-History and Physical assessment ➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: ➤ Refractive errors ➤ Eyelids-infection, tumours and deformities ➤ Conjunctiva- inflammation and infection, bleeding ➤ o Cornea- inflammation and infection ➤ Lens-Cataracts ➤ Glaucoma ➤ Disorder of the uveal tract, ➤ Ocular tumours ➤ Disorders of posterior chamber and retina: Retinal and vitreous problems. ➤ U Retinal detachment ➤ Ocular emergencies and their prevention ➤ Blindness ➤ National blindness control.program Eye Banking ➤ Eye prostheses and Rehabilitation <p>Role of a nurse- Communication with visually impaired Patient, Eye camps Special therapies Nursing procedures Drugs used in treatment of disorders of eye</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 ➤ Visit to eye bank ➤ Participation in eye-camps 	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem</p>

III	16	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders	<p>Nursing management of patient with neurological disorders</p> <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, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders • Congenital malformations <p>Headache Head Injuries Spinal Injuries: Paraplegia Hemiplegia - Quadraplegia 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 - Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies — Bell's palsy, trigeminal neuralgia Peripheral Neuropathies; GuillainBarr'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 communicating with patient having neurological deficit</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 • Visit to rehabilitation centre.0 	<p>Essay type Short answer Objective type Assessment of skills with check list Assessment of patient management problem</p>
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<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	Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with disorders of female reproductive system Describe concepts of reproductive health and family welfare programme	Nursing management of patients with disorders of female reproductive system 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 disorder of female reproductive system Congenital abnormalities of female reproductive system Sexuality and Reproductive Health Sexual Health Assessment Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome Abnormal Uterine Bleeding; DUB Menorrhagia, Metrorrhagia Pelvic Inflammatory Disease- Ovarian and fallopian tube disorders; infections, cysts, tumours Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele <ul style="list-style-type: none"> • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal 	Practice session Case Discussions / Seminar Health education Supervised clinical practice Drug book /presentation Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology	<p>Nursing management of patients with oncological conditions</p> <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, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions • Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc • Oncological emergencies • Modalities of treatment <ul style="list-style-type: none"> Immunotherapy c Chemotherapy Radiotherapy c Surgical Interventions Stem cell and Bone marrow transplants Gene therapy Other forms of treatment <ul style="list-style-type: none"> • Psychosocial aspects of cancer. • Rehabilitation • Palliative care Symptom and Pain Management, Nutritional support • Home care • Hospice care • Stoma Therapy • Special therapies Psycho social aspects • Nursing procedures 	<p>Lecture discussion</p> <p>Explain using Charts, graphs Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case</p> <p>Discussions / Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Drug book /presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	10	<p>Describe organization of emergency and disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in management of common Emergencies</p>	<p>Nursing management of patient in EMERGENCY & DISASTER situations</p> <p>Disaster Nursing:</p> <p>Concepts and principles of Disaster Nursing</p> <p>Causes and Types of Disaster: Natural and Man-made</p> <p>Earthquakes, Floods, Epidemics, Cyclones</p> <p>- Fire, Explosion, Accidents</p> <p>Violence, Terrorism; bio-chemical, War</p> <p>Policies related to emergency/disaster management; International, national, state, institutional</p> <p>Disaster preparedness: Team, Guidelines, protocols, Equipments ,Resources</p> <p>Coordination and involvement of; Community, various govt. departments, non-Government. organizations and International agencies</p> <p>Role of nurse: working</p> <p>Legal Aspects of Disaster Nursing</p> <p>Impact on Health and after effects; Post Traumatic Stress Disorder</p> <p>Rehabilitation; physical, psychosocial, Financial, Relocation</p> <p>Emergency Nursing</p> <p>Concept, priorities, principles and Scope of emergency nursing</p> <p>Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse</p> <p>Coordination and involvement of different departments and facilities</p> <p>Nursing Assessment-History and Physical assessment</p> <p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment</p> <p>modalities and medical & surgical nursing management of patient with</p> <p>medical and surgical Emergency</p>	<p>Lecture discussion</p> <p>Explain using Charts, graphs</p> <p>Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussions / Seminar</p> <p>education</p> <p>Supervised clinical practice</p> <p>Disaster management Drills</p> <p>Drug book /presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient Management problem</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Principles of emergency management Common Emergencies; Respiratory Emergencies Cardiac Emergencies Shock and Haemorrhage 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 Emergencies Violence, Abuse, Sexual assault Cardio Pulmonary Resuscitation Crisis Intervention Role of the nurse; Communication and Inter Personal Relations •Medico-Legal Aspects		
VIII	10	Explain the concept and problems of aging	Nursing care of the elderly • 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 c Abuse of elderly Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual Role of nurse for caregivers of elderly	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type Assessment

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Describe nursing care of the elderly	Role of family and formal and non formal caregivers Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical Issues Provisions and Programmes for elderly; privileges, Community Programs and health services; Home and institutional care	Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation Visit to old age home	of skills with check list Assessment of patient management problem
IX	10	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 • 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 pateint; 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	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Role plays Counseling Practice session Case discussions/ Seminar Health education Supervised clinical practice Drug book / presentation	Assessment of patient management problem Essay type Short answers Objective type Assessment of skills with check list
X	8	Describe the etiology, patho-physiology, 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 Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, 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		

Medical Surgical Nursing (Adult including Geriatrics) - II Practical

Placement: Third Year

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

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

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Neurology	2	<p>Provide care to patients with neurological disorders.</p> <p>Counsel and educate patient and families</p>	<p>Perform Neurological Examination</p> <p>Use Glasgow coma scale</p> <p>Assist with diagnostic procedures</p> <p>Assist with therapeutic procedures</p> <p>Teach patients & families</p> <p>Participate in rehabilitation program</p>	<p>Provide care to assigned 2-patients with neurological disorders.</p> <p>Case study/Case presentation-</p> <p>Maintains drug book</p> <p>Health Teaching- I</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>3. Evaluation of case study & health teaching</p> <p>Completion of activity record</p>
Gynecology ward	1	<p>Provide care to patients with gynecological disorders.</p> <p>Counsel and educate patient and families</p>	<p>Assist with gynecological Examination</p> <p>Assist with diagnostic procedures:</p> <p>Assist with therapeutic procedures</p> <p>Teach patients families</p> <p>Teaching self Breast Examination.</p> <p>Assist with PAP smear collection.</p>	<p>Provide care to 2-3 assigned patients</p> <p>Nursing care plan—i</p> <p>Maintain drug book</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>Evaluation of care plan</p> <p>Completion of activity record</p>
Burns Unit	1	<p>Provide care to patients with Burns</p> <p>Counsel and educate patient and families</p>	<p>Assessment of the burns patient</p> <p>Percentage of burns</p> <p>Degree of burns.</p> <p>Fluid & electrolyte replacement therapy</p> <ul style="list-style-type: none"> • Assess • Calculate • Replace • Record intake/output <p>Care of Bum wounds</p>	<p>Provide care to 1-2 assigned patients</p> <p>Nursing care plan -1</p> <p>Observation report of Burns unit</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>Evaluation of care plan an observation report</p> <p>Completion of activity record</p>

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

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> - Self Breast Examination - Warning signs • Participate in rehabilitation program 		
Critical care unit	2	Provide care to critically ill patients Counsel patient and families for grief and bereavement	Chest physiotherapy Perform active & passive exercises Monitoring of patients in ICU Maintain flow sheet Care of patient on ventilators Perform Endotracheal suction -Demonstrates use of ventilators, cardiac monitors etc. Collect specimens and interprets ABG analysis Assist with arterial puncture Maintain CVP line Pulse oximetry CPR-ALS Defibrillators Pace makers Bag-mask ventilation Emergency tray/ Crash Cart Administration of drugs <ul style="list-style-type: none"> • Infusion pump • Epidural • Intra thecal • Intracardiac Total parenteral therapy	Provide care to I assigned patient Observation report of Critical care unit Drugs book.	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report Completion of activity record

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

Child Health Nursing

Placement: Third year

Time: Theory - 90 hours
Practical - 270hours
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>Describe the principles of child health nursing</p>	<p>Introduction</p> <p>Modern concepts of childcare</p> <p>Internationally accepted rights of the Child</p> <p>National policy and legislation in relation to child health and welfare</p> <p>National programmes related to child health and welfare</p> <p>Agencies related to welfare services to the children</p> <p>Changing trends in hospital care, preventive, promotive and curative aspects of child health.</p> <p>Child morbidity and mortality rates.</p> <p>Differences between an adult and child</p> <p>Hospital environment for a sick child</p> <p>Impact of hospitalisation on the child and family.</p> <p>Grief and bereavement</p> <p>The role of a Child health nurse in caring for a hospitalised child</p> <p>Principles of pre and post operative care of infants and children</p> <p>Child health nursing procedures.</p>	<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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
II	20	Describe the normal growth & development of children at different ages Identify the needs of children at different ages & provide parental guidance Identify the nutritional needs of children at different ages and ways of meeting the needs Appreciate the role of play for normal & sick children. Appreciate the preventive measures and strategies for children	The healthy child • 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 study of normal and sick child ➤ Field visit to Anganwadi, child guidance clinic ➤ Film show on breast feeding ➤ Clinical practice/field 	Short answers Objective type Assessment of field visits and developmental study reports
III	15	Provide care to normal & high risk neonates Perform neonatal resuscitation. Recognize and manage common neonatal problems	Nursing care of a neonate <ul style="list-style-type: none"> ➤ Nursing care of a normal newborn/Essential newborn care ➤ Neonatal resuscitation ➤ 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.	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Workshop on - neonatal resuscitation ➤ Demonstration ➤ Practice session ➤ Clinical practice 	Short answers Objective type Assessment of skills with checklist

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	10		Integrated management of neonatal and childhood illnesses (IMNCI)		
V	20	Identify measures to prevent common childhood diseases including immunization Provide nursing care in common childhood diseases	Nursing management in common childhood diseases Nutritional deficiency disorders Respiratory disorders and infections Gastrointestinal infections, infestations and congenital disorders Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease Genito- urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders. Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia Endocrine disorders: Juvenile Diabetes Mellitus - Orthopedic disorders: club feet, hip dislocation and fracture. Disorders of skin, eye, and ears Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS.	Lecture Discussion Demonstration Practice session Clinical practice	Objective type Assessment of skills with checklist Short answers
VI	10	Manage the child with behavioural social problems Identify the social & welfare services for challenged children	Management of behavioural & social problems in children • 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	Lecture discussion Field visits to child guidance clinics, school for mentally & physically, socially challenged	Short answers Objective type Assessment of field Reports

Child Health Nursing Practical

Placement: Third Year
Fourth Year

Time: 270 hrs (9 weeks)
Internship- 145 hrs (3 weeks)

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

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Pediatric Surgery Ward	3	<p>Recognize different pediatric surgical conditions/ Malformations</p> <p>Provide pre and post operative care to children with common</p>	<p>Calculate, prepare and administer I/V fluids</p> <ul style="list-style-type: none"> • bowel wash • Care for ostomies: • Colostomy irrigation <p>Ureterostomy</p> <p>Gastrostomy</p> <p>Enterostomy</p> <p>Urinary catheterization and drainage</p> <p>Feeding</p>	<p>Give care to three assigned paediatric surgical patients</p> <p>Nursing Care Plan - 1</p> <p>Case study / Presentation - 1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study!</p>

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

Internship

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

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

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
1	5	Describes the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programmes and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour	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 mental health nurse in various settings and factors affecting the level of nursing practice • Concepts of normal and abnormal behaviour 	<ul style="list-style-type: none"> ➤ Lecture Discussion 	<ul style="list-style-type: none"> ➤ Objective type ➤ Short answer ➤ Assessment of the field visit reports
	5	Defines the various terms used in mental health Nursing	Principles and Concepts of Mental Health Nursing Definition: mental health nursing and terminology used Classification of mental disorders: ICD	<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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<ul style="list-style-type: none"> ➤ Explains the classification of mental disorders ➤ Explain psycho dynamics of maladaptive behaviour ➤ Explain the Principles and standards of Mental health Nursing <p>Describe the conceptual models of mental health nursing</p>	<p>Review of personality development, defense mechanisms</p> <p>Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s)</p> <p>Etiology: bio- psycho-social factors</p> <p>Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission</p> <p>Principles of Mental health Nursing</p> <p>Standards of Mental health Nursing practice</p> <p>Conceptual models and the role of nurse:</p> <ul style="list-style-type: none"> • Existential Model • Psycho-analytical models • Behavioural model • Interpersonal model 		
III	8	Describe nature, purpose and process of assessment of mental health status	<p>Assessment of mental health status</p> <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination • Neurological examination: Review • Investigations: Related Blood chemistry, EEG, CT & MRI • Psychological tests <p>Role and responsibilities of nurse</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Practice session ➤ Clinical practice 	Short answer Objective type Assessment of skills with check list
IV	6	Identify therapeutic communication techniques Describe therapeutic relationship	<p>Therapeutic communication and nurse-patient relationship</p> <ul style="list-style-type: none"> • Therapeutic communication: Types, techniques, characteristics <p>Types of relationship, Ethics and responsibilities</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Role play ➤ Process recording 	Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Describe therapeutic impasse and its intervention	Elements of nurse patient contract Review of technique of IPR-Johari Window Goals, phases, tasks, therapeutic techniques Therapeutic impasse and its intervention		
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 and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback • Alternative systems of medicine • Occupational therapy • Physical Therapy: electro convulsive therapy • Geriatric considerations Role of nurse in above therapies	Lecture discussion Demonstration Group work Practice session Clinical practice	Essay type Short answers Objective Type
VI	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	Nursing management of patient with Schizophrenia, and other psychotic disorders 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	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders	<p>Nursing management of patient with mood disorders</p> <ul style="list-style-type: none"> • Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc • Etiology, psycho-pathology, 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 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
VIII	8	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	<p>Nursing management of patient with neurotic, stress related and somatization disorders</p> <p>Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder</p> <p>Etiology, psycho-pathology, clinical manifestations, diagnosis</p> <p>Nursing Assessment-History, Physical and mental assessment</p> <p>Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and rehabilitation</p>	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p>Nursing management of patient with Substance use disorders</p> <p>Commonly, used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal</p> <p>Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, Nursing Assessment-History, Physical, mental assessment and drug assay.</p> <p>Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and rehabilitation</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management problems</p>
X	4	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders	<p>Nursing management of patient with Personality, Sexual and Eating disorders</p> <ul style="list-style-type: none"> • Classification of disorders • Etiology, psycho-pathology, characteristics, diagnosis, • Nursing Assessment-History, Physical and mental assessment • Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management Problems</p>
XI	6	Describe the etiology, psychopathology, clinical	<p>Nursing management of childhood and adolescent disorders including mental deficiency</p> <p>Classification</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	Etiology, psycho-pathology, characteristics, diagnosis Nursing Assessment-History, Physical, mental and IQ assessment Treatment modalities and nursing management of childhood disorders including mental deficiency Follow-up and home care and rehabilitation		
XII	5	Describe the etiology, psycho-pathology, 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, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers) • 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 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	Psychiatric emergencies and crisis intervention 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 counselling Types of crisis Crisis Intervention: Principles, Techniques and Process Geriatric considerations Role and responsibilities of nurse	Lecture discussion Demonstration Practice session Clinical practice	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<p>Legal issues in Mental Health Nursing</p> <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 <p>Role and responsibilities of nurse</p>	<p>Lecture discussion Case discussion</p>	<p>Short answers Objective Type</p>
XV	4	<p>Describe the model of preventive psychiatry</p> <p>Describes Community Mental health services and role of the nurse</p>	<p>Community Mental Health Nursing</p> <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. 	<p>Lecture discussion Clinical / field practice Field visits to mental health service agencies</p>	<p>Short answers Objective type Assessment of the field visit reports</p>

Mental Health Nursing-Practical

Placement: Third Year
Fourth year

Time: Practical — 270 hours (9 weeks)
Internship- 95 hours (2 weeks)

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Psychiatric OPD	1	Assess patients with mental health problems Observe and assist in Therapies Counsel and educate patient, and families	History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination Observe and assist in therapies Teach patients and family members	History taking and Mental status examination- 2 Health education- 1 Observation report of OPD	Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of observation report Completion of activity record.
Child Guidance clinic	1	Assessment of children with various mental health problems Counsel and educate children, families and significant others	History taking Assist in psychometric assessment Observe and assist in various therapies Teach family and significant others	Case work-1 Observation report of different therapies-I	Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report
Inpatient ward	6	Assess patients with mental health problems To provide nursing care for patients with various mental health problems	History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment	Give care to 2-3 patients with various mental disorders Case study- 1 Care plan -2 Clinical presentation 1	Assess performance with rating scale Assess each skill with checklist Evaluation of the case study,

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
		Assist in various therapies Counsel and educate patients, families and significant others	Record therapeutic , communication Administer medications Assist in Electro-convulsive Therapy (ECT) Participate in all therapies Prepare patients for Activities of Daily living (ADL) Conduct admission and discharge counselling Counsel and teach patients and families	Process recording 2 Maintain drug book	care plan, clinical presentation, process recording Completion of activity record.
Community Psychiatry	1	To identify patients with various mental disorders To motivate patients for early treatment and follow up To assist in follow up clinic Counsel and educate patient, family and community	Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community	Case work-I 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
Internship					
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice		Assess clinical performance with rating scale

Psychiatric Nursing

Recommended Books:

- 1.) Townsend – Psychiatric Mental Health Nursing,2007.F.A.Davis
- 2.) Shives – Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW
- 3.) Stuart – Principles & Practice of Psychiatric Nursing,2008,Elsevier
- 4.) Sreevani – Psychiatric Mental Health Nursing,2008,Jaypee

Reference Books:

- 1.) Boyd – Psychiatric Nursing,2007,LWW
- 2.) Ahuja – Psychiatry – 2008,Jaypee
- 3.) Kaplan – Kaplan & Sadock’s Synopsis of Pyschiatry,2007,LWW
- 4.) Kaplan – Kaplan & Sadock Concise Textbook of Clinical Psychiatry,2008,LWW
- 5.) Lalitha - Psychiatric Mental Health Nursing ,VMG Publishers
- 6.) Kaplan – Kaplan & Sadock Handbook of Clinical Psychiatry,2010,LWW
- 7.) Schltz – Lippincott’s Manual of Psychiatric Nursing CarePlans,2009,LWW

Nursing Research and Statistics

**Placement: Fourth year
Internship**

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

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Describe the concept of research, terms, need and areas of research in nursing. Explain the steps of research process.	Research and research process <ul style="list-style-type: none"> • Introduction and need for nursing research • Definition of Research & nursing research • Steps of scientific method • Characteristics of good research • Steps of Research process-overview 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Narrate steps of research process followed from examples of published studies 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type
II	3	Identify and state the research problem and objectives	Research Problem Question <ul style="list-style-type: none"> • Identification of problem area • Problem statement • Criteria of a good research problem. • Writing objectives 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Exercise on writing statement of problem and objectives 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type
III	3	Review the related literature	Review of Literature <ul style="list-style-type: none"> • Location • Sources • On line search; CINHAL, COCHRANE etc • Purposes • Method of review 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Exercise on reviewing one research report/article for a selected research problem. ➤ Prepare annotated bibliography 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	4	Describe the research approaches and designs	Research approaches anti designs <ul style="list-style-type: none"> • Historical, survey and experimental • Qualitative and Quantitative designs 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explain types of research approaches used from examples of published and unpublished research studies with rationale. 	Short answer Objective type
V	8	Explain the sampling process Describe the methods of data collection	Sampling and data collection <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 and where to collect. • Data collection methods and instruments: Methods of data collection Questioning, interviewing Observations, record analysis and measurement Types of instruments Validity & 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 tool. ➤ Conduct group research project 	Short answer Objective type
VI	4	Analyze, Interpret and summarize the research data	Analysis of data: Compilation, Tabulation, classification, summarization, presentation, interpretation of data	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Preparation of sample tables. 	Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	15	Explain the use of statistics, scales of measurement and graphical presentation of data Describe the measures of central tendency and variability and methods of correlation.	Introduction to statistics <ul style="list-style-type: none"> • Definition, use of statistics, scales of measurement. • Frequency distribution and graphical presentation of data • 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 presentations ➤ Practice on computation of measures of central tendency, variability & correlation 	Short answer Objective type
VIII	4	Communicate and utilize the research findings.	Communication and utilization of Research <ul style="list-style-type: none"> • Communication of research findings • Verbal report • Writing research report • Writing scientific article/paper - Critical review of published research - Utilization of research findings 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Read/Presentations of sample published / unpublished research report. ➤ Writing group research project 	Short answer Objective type Oral presentation Assessment of group research Project.

Nursing Research & Statistics

Recommended Books:

- 1.) Polit – Nursing Research ,2007,LWW
- 2.) Polit – Essentials of Nursing Research ,2009,LWW
- 3.) Basvanthappa – Nursing Research, Jaypee Publications

Reference Books:

- 1.) Kothari – Research Methodology,2007,Newage Publishers

- 2.) Jagadeesh – Bio Medical Research, 2009, WoltersKluwer.
- 3.) Macnee – Understanding Nursing Research,2007,LWW
- 4.) Burns – Practice of Nursing Research ,2009,Elsevier
- 5.) Plitcha – Statistics for Nursing & allied Health Sciences, Lippincott.
- 6.) Munro – Statistical Method for Healthcare Research ,20

Midwifery and Obstetrical Nursing

Placement: Fourth year

Time: Theory - 90 hours
Practical - 180 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	Recognise the trends and issues in midwifery and obstetrical nursing	Introduction to midwifery and obstetrical Nursing Introduction to concepts of midwifery and obstetrical Nursing Trends in midwifery and obstetrical nursing Historical perspectives and current trends Legal and ethical aspects Pre-conception care and preparing for parenthood Role of nurse in midwifery and obstetrical care. National policy and legislation in relation to maternal health and welfare. Maternal, morbidity, mortality and fertility rates Perinatal, morbidity and mortality rates	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts and graphs 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type
II	8	Describe the anatomy and physiology of female reproductive system	Review of anatomy and physiology of female reproductive system and foetal development Female pelvis — general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. Female organs of reproduction - external genitalia, internal genital organs and their anatomical	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Review with Charts and models 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> ➤ relations, musculature — blood- supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritonium. ➤ Physiology of menstrual cycle ➤ Human sexuality ➤ Foetal development ➤ Conception ➤ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term — functions, abnormalities, the foetal sac, amniotic fluid, the umbilical chord, ➤ Foetal circulation, foetal skull, bones, sutures and measurements. ➤ Review of Genetics 		
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 • Skin changes • Endocrine system • Psychological changes • Discomforts of pregnancy • Diagnosis of pregnancy • Signs • Differential diagnosis • Confirmatory tests • Ante-natal care C Objectives • Assessment - History and physical examination - Antenatal Examination - Signs of previous child-birth 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Case discussion! presentation ➤ Health talk ➤ Practice session ➤ Counseling session ➤ Supervised Clinical practice 	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problems</p>

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Active management of labour, Induction of labour - Pain relief and comfort in labour • Second stage • Signs and symptoms; normal and abnormal • Duration • Conduct of delivery; Principles and techniques • Episiotomy (only if required) • Receiving the new born - 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 of the neonate • Third stage • Signs and symptoms; normal and abnormal • Duration • Method of placental expulsion • Management; Principles and techniques • Examination of the placenta • Examination of perineum • Maintaining records and reports • Fourth Stage 		
V	5	<p>Describe the physiology of puerperium.</p> <p>Describe the management of women during post- natal period</p>	<p>Assessment and management of women during post natal period</p> <ul style="list-style-type: none"> • Normal puerperium; Physiology Duration • Postnatal assessment and management • Promoting physical and emotional well-being • Lactation management Immunization 	<p>Lecture</p> <p>discussion</p> <p>Demonstration</p> <p>Health talk -</p> <p>Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Family dynamics after child-birth, Family welfare services; methods, counselling Follow-up Records and reports		of patient management problems
VI	6	Describe the assessment and management of normal neonate	Assessment and management of normal neonates Normal Neonate; - Physiological adaptation, -Initial & Daily assessment - Essential newborn care; Thermal control, - Breast feeding, prevention of infections Immunization Minor disorders of newborn and its management Levels of Neonatal care (level I, II, & III) At primary, secondary and tertiary levels Maintenance of Reports and Records	Lecture discussion Demonstration Practice Session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
VII	10	Describe the Identification and management of women with high risk pregnancy	High-risk pregnancy - assessment & management • Screening and assessment - Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive, - Newer modalities of diagnosis • High-risk approach • Levels of care; primary, secondary and tertiary levels • Disorders of pregnancy - Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic - Pregnancy, vesicular mole, - Ante-partum haemorrhage. • Uterine abnormality and displacement. • Diseases complicating pregnancy - Medical and surgical conditions - Infections, RTI (STD), UTI, HIV, TORCH	Lecture discussion Demonstrate using video films,scan reports, partograph etc Case discussion/presentation Health talk Practice Session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Gynaecological diseases complicating pregnancy - Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios, Rh incompatibility u Mental disorders • Adolescent pregnancy, Elderly primi and grand multipara • Multiple pregnancy • Abnormalities of placenta & cord • Intra-uterine growth-retardation • Nursing management of mothers with high-risk pregnancy • Maintenance of Records and Report 		
VIII	10	<p>Describe management of abnormal labour.</p> <p>And obstetrical emergencies</p>	<p>Abnormal Labour - assessment and management</p> <ul style="list-style-type: none"> • Disorders in labour - CPD and contracted pelvis - Malpositions and malpresentations - Premature labour, disorders of uterine actions - precipitate labour, prolonged labour - Complications of third stage: injuries to birth canal • Obstetrical emergencies and their management; - Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock • Obstetrical procedures and operations; - Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations • Nursing management of women undergoing Obstetrical operations and procedures 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</p> <p>Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with checklist.</p> <p>Assessment of patient manage- ment problems</p>
IX	4	Describe management	Abnormalities during Postnatal Periods	Lecture discussion	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		of post natal complications	Assessment and management of woman with postnatal complications Puerperial infections, breast engorgement & infections, U'il, thrombo-Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution, Psychological complications: - Post partum Blues - Post partum Depression - Post partum Psychosis	Demonstration Case discussion! presentation Supervised Clinical practice	Objective type Assessment of skills with checklist. Assessment of patient management problems
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 - haemolytic disorders - Birth injuries - Malformations • Monitoring of high risk neonates • Feeding of high risk neonates • Organisation 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 problems
XI	4	Describe indication, 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 - oxytocins, antihypertensives, diuretics, tocolytic agents, anticonvulsants; Analgesics and anesthetics in obstetrics. Effects of maternal medication on foetus and neonate	Lecture discussion Drug book Drug presentation	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XII	10	<p>Appreciate the importance of family welfare programme</p> <p>Describe the methods of contraception and role of nurse in family welfare programme</p>	<p>Family Welfare Programme</p> <ul style="list-style-type: none"> • Population trends and problems in India • Concepts, aims, importance and history of family welfare programme • National Population: dynamics, policy and education • National family welfare programme; RCH, ICDS, MCH. <p>Safe motherhood</p> <ul style="list-style-type: none"> • Organization and administration; at national, state, district, block and village levels • Methods of contraception; spacing, temporary and permanent, Emergency contraception • Infertility and its management • Counseling for family welfare • Latest research in contraception • Maintenance of vital statistics • Role of national, international and voluntary organizations • Role of a nurse in family welfare programme • Training / Supervision / Collaboration with other functionaries in community like ANMs, LHV's, Anganwadi workers, TBAs (Traditional birth attendant - Dai) 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised practice</p> <p>Group project</p> <p>Counseling session</p> <p>Field visits</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list, project and field visits reports</p>

Midwifery and Obstetrical Nursing- Practical

Placement: Third Year &
Fourth year

Time: Practical —

180 hours (Third Year)
Internship - 240 hours

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Antenatal clinic/ OPD	2	Assessment of pregnant women	Antenatal history taking Physical examination Recording of Weight & B.P Hb.& Urine testing for sugar and albumin Antenatal examination- abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records	*Conduct Antenatal Examinations 30 Health talk - 1 Case book recordings	Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T.	4	Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Caesarean Sections,	Assessment of Woman in labour Pervaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns	*Conduct normal deliveries - 20 *Pervaginal examinations 5 *Perform and Suture the episiotomies - 5 *Resuscitate newborns - 5 *Assist with Caesarean Sections - 2 *Witness abnormal deliveries - 5	Assessment of clinical performance with rating scale Assessment of each skill With checklists Completion of Case book recordings

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
		MTP and other surgical procedures	Assessment of risk status of newborn Episiotomy aid suturing Maintenance of labour and birth records Arrange for and assist with Caesarean section and care for woman & baby during Caesarean Arrange for and assist with MTP and other surgical procedures	Assist with MTP and other Surgical procedures - Case book recordings	
Post natal ward	4	Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood	Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation. management Breast feeding Babybath Immunization, Teaching postnatal mother: Mother craft Post natal care & Exercises Immunization	Case presentation - I Case book recordings *Give care to Post natal - mothers - 20 Health talks-I Case study —	Assessment of clinical performance Assessment of each skill With checklists Completion of Case book recording Evaluation of case study and presentation and health education sessions
Newborn nursery	2	Provide nursing care to newborn at risk	Newborn assessment Admission of neonates Feeding of at neonates risk	Case study-1 Observation Study – I	Assessment of clinical performance Assessment of each skill With checklists Evaluation

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Katori spoon, paladi, tube feeding, total parenteral nutrition • Thermal management of neonates-kangaroo mother care, care of baby in incubator • Monitoring and care of neonates • Administering medications • Intravenous therapy • Assisting with diagnostic procedure Assisting with exchange transfusion • Care of baby on ventilator • Phototherapy • Infection control protocols in the nursery Teaching and counselling of parents Maintenance of Neonatal records 		of and observation study
Family Planning Clinic	Rotation from post natal ward 1 wk	Counsel for and provide family welfare services	Counselling technique Insertion of IUD Teaching on use of family planning methods Arrange for and Assist with family planning operations Maintenance of records and reports	* IUD insertion-5 Observation Study-i Counselling- 2 Simulation exercise on recording and reporting - 1	Assessment of each skill With checklists Evaluation of and observation study

*** Essential Requirements for registration as midwife**

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

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

Internship Obstetrical Nursing

Duration- 5 weeks

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

Maternity Nursing:

Recommended Books:

- 1.) Myle’s Textbook for Midwives, 2008, Elsevier
- 2.) Reeder & Martin – Maternity Nursing, Lippincott

Reference Books:

- 1.) Orshan – Maternity Nursing ,2009,LWW
- 2.) William’s Obstetrics,2009,Mcgrahill

- 3.) Mudaliar – Clinical Obstetrics, Orient Black swan.
- 4.) Berek - Novak's Gynecology,2008,LWW
- 5.) Lowdermilk – Maternity Nursing,2008,Elsevier
- 6.) Dutta – Obstetrics ,NCBA
- 7.) Seshadri – Essentials of Gynaecology,2010,WK

Community Health Nursing-II

Placement: Fourth year

Time: Theory - 90 hours

Practical - 135 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Define concepts, scope, principles and historical development of Community Health and community health Nursing	Introduction <ul style="list-style-type: none"> • Definition, concept & scope of Community Health and Community Health Nursing • Historical development of Community health • Community health Nursing. <ul style="list-style-type: none"> - Pre-independence - Post-independence 	<ul style="list-style-type: none"> ➤ Lecture discussion 	<ul style="list-style-type: none"> ➤ 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- Five Year Plans • Various committees and commissions on health and family welfare • Central council for health and family welfare (CCH and FW) National health policies (1983, 2002) <ul style="list-style-type: none"> • National population policy • Health problems in India 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Panel discussion 	<ul style="list-style-type: none"> ➤ 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 government at:	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Visits to various health delivery systems ➤ Supervised field practice ➤ Panel discussion 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	25	Describe Community health Nursing approaches and concepts Describe the roles and responsibilities of Community health nursing personnel	Community health nursing approaches, concepts and roles and responsibilities of nursing personnel <ul style="list-style-type: none"> • Approaches • Nursing theories And Nursing process • Epidemiological approach • Problem solving approach • Evidence based approach • Empowering people to care for themselves • Concepts of Primary Health Care: <ul style="list-style-type: none"> • Equitable distribution • Community participation • Focus on prevention • Use of appropriate technology • Multi-sectoral approach • Roles and responsibilities of Community health nursing personnel in <ul style="list-style-type: none"> • Family health services • Information Education Communication (IEC) • Management Information System (MiS): Maintenance of Records & 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 center, 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>	Lecture discussion Demonstration Practice session Supervised field practice Participation in camps Group Project	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	15	Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health	<p>Assisting individuals and groups to promote and maintain their health</p> <p>Empowerment for self care of individuals, families and groups in</p> <p>A. Assessment of self and family</p> <ul style="list-style-type: none"> • Monitoring growth and development Mile stones Weight measurement 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 checkup • Immunization • Counseling • Diagnosis • Treatment • Follow up • Maintenance of health records for self and family • Continue medical care and follow up in community for various diseases and disabilities 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Individual!</p> <p>group/family!</p> <p>community health education</p>	<p>Essay type</p> <p>Short answers</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<p>E. Carryout therapeutic procedures as prescribed! required for self and family</p> <p>F. Waste Management</p> <ul style="list-style-type: none"> • Collection and disposable of waste at home and community <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> <p>Trauma services</p> <ul style="list-style-type: none"> • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 		
VI	20	<p>Describe national health and family welfare programmes 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 Anti- Malaria programme 4) National Filaria control programme 5) National Guinea worm eradication programme 6) National Leprosy eradication programme 	<p>Lecture discussion</p> <p>Participation in national health programmes</p> <p>Field visits</p>	<p>Essay type</p> <p>Short answers</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			7) National AIDS control programme 8) STD control programme 9) National programme For control of blindness 10) Iodine deficiency disorder programme 11) Expanded programme on immunization 12) National Family Welfare Programme- RCH Programme historical development, organisation, administration, research, constraints 13) National water supply and sanitation programme 14) Minimum Need programme 15) National Diabetics control programme 16) Polio Eradication: Pulse Polio Programme 17) National Cancer Control Programme 18) Yaws Eradication Programme 19) National Nutritional Anemia Prophylaxis programme 20) 20 point programme 21) ICDS programme 22) Mid-day meal applied nutritional programme 23) National mental health programme Health schemes <ul style="list-style-type: none"> • ESI • CGHS • Health insurance 		
VII	5	Explain the roles and functions of various national and international health agencies	<ul style="list-style-type: none"> • 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 	Lecture discussion Field visits	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			(FPAI), Tuberculosis Association India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.		

Community Health Nursing

Recommended Books

- 1.) Park – Social and Preventive Medicine ,Bannott Publishers

Reference Books

- 1.) Allender – Community Health Nursing,2009,LWW
- 2.) Stanhope – Community Health Nursing,2008,Elsevier
- 3.) Anderson – Community as Partner,2009,LWW
- 4) Deim – Community Health Projects,2006,Lippincott

Community Health Nursing-II Practical

Placement: Fourth year

Time: Practical — 135 hours
Internship- 195 hours

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Community health nursing	1 wk for urban 4 wk for rural	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	Community health survey Community diagnosis Family care: Home adaptation of common procedures Home visit: Bag technique Organize and conduct clinics- antenatal, post natal, well baby clinic, camps etc Screen manage and referrals for: High risk mothers and neonates Accidents and emergencies ci Illnesses: Physical and mental ci Disabilities Conduct delivery at centre/home: episiotomy and suturing Resuscitate newborn School Health programme ci Screen, manage, refer children Collaborate with health and allied agencies	Community survey report- I Family care study- I Project-i Health talk-i Case book recording	Assess clinical performance with rating scale Evaluation of community survey report, family care study, project and health talk Completion of activity record. Completion of case book recording

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
		individual, family and	Train and Supervise health workers		

		community Collect Vital health statistics Maintain Records & Reports	Provide family welfare services: insertion of IUD Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc Collect and Calculate Vital health statistics Document and maintain Individual, family and administrative records. Write reports- center, disease, national health programme/ projects,		
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Placement: Internship Time: 4 Weeks

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

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

Management of Nursing Services and Education

Placement: Fourth year

Theory - 90 Hours

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		<ul style="list-style-type: none"> ➤ Explain the principles and functions of management 	<p>Introduction to management in nursing</p> <ul style="list-style-type: none"> • Definition, concepts and theories • Functions of management • Principles of Management • Role of Nurse as a manager 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explain using organization chart 	<ul style="list-style-type: none"> ➤ Short answers
II	5		<ul style="list-style-type: none"> ➤ Describe the elements and process of management 	<p>Management process Planning; mission, philosophy, objectives, operational plan Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling Human resource management; recruiting, selecting, deployment, retaining, promoting, superannuation etc Budgeting: concept, principles, types, cost benefit analysis, audit Material management: equipment and supplies</p>	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Simulated Exercises ➤ Case studies 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Directing process (Leading) Controlling: Quality management Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart),		
III	8	20	Describe the Management of nursing services in the hospital and Community	Management of nursing services in the hospital and Community <ul style="list-style-type: none"> • Planning: Hospital and patient care units including ward management Emergency and disaster management • Human resource management: 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 	Lecture Discussion Demonstration Simulated Exercises Case studies Supervised practice in ward- writing indents, preparing duty roaster, ward supervision Assignment on duties and responsibilities of ward sister Writing report	Essay type Short answers Assessment of problem solving exercises, Assessment of the assignments Performance evaluation by ward sister with rating scale

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Budgeting: proposal, projecting requirements for staff, equipments and supplies for 1-hospital and patient care units <ul style="list-style-type: none"> • Emergency and disaster management Material Management; procurement, inventory control, auditing and maintenance in Hospital and patient care units <ul style="list-style-type: none"> • 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, Manuals 		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				a Quality Assurance Model, documentation - a Records and reports Performance appraisal		
IV	10		Describe the concepts, theories and techniques of Organizational behaviour and human relations	Organizational behaviour and human relations <ul style="list-style-type: none"> • Concepts and theories of organizational behaviours • Review of Channels of communication • Leadership styles • Review of Motivation; concepts and theories • Group dynamics • Techniques of; a Communication; and • 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	Essay type Short answers 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 & evaluation of staff education program • Preparation of report 	Lecture Discussion Plan & conduct an educational session for in service nursing personnel	Short Answer Objective type Assess the planning & conduct of the educational session

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
VI	15		Describe management of Nursing educational institutions	Management of nursing educational institutions <ul style="list-style-type: none"> • Establishment of Nursing educational institution-INC norms and guidelines • Co-ordination with • Regulatory bodies • Accreditation • Affiliation - Philosophy! objectives - Organization • Structure • Committees - Physical facilities • College/School • 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, 	Lecture Discussion Role plays Counseling session Group Exercises	Essay type Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Clinical facilities Transport facilities Institutional Records and reports administrative, faculty, staff and students		
VII <input type="checkbox"/>	15		Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards	Nursing as a profession Nursing as a profession • 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 • Code of ethics; INC, • Code of Professional conduct; INC, ICN Practice standards for Nursing; INC Consumer protection act Legal Aspects in Nursing • Legal terms related to practice; registration and licensing • Laws related to nursing practice; Breach and penalties • Malpractice and negligence ICN	Lecture Discussion Case discussion Panel discussion Role plays Critical incidents Visit to INC/SNRCS	Short answers Assessment of critical incidents
VIII	3		Explain the various opportunities	Professional Advancement: Continuing education	Lecture Discussion Review! Presentation of published articles	Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			for professional advancement	Career Opportunities Collective bargaining Membership with Professional organizations; National. and International Participation in research activities Publications; Journals, Newspapers etc.	Group work on maintenance of bulletin board	

Nursing Management

Recommended Books:

- 1.) Barrett – Ward Management and Teaching, 1995, Konark Publishing.
- 2.) Marquis – Leadership Roles & Management Functions in Nursing, 2008, LWW
- 3.) Basavanthappa – Nursing Administration, 2009, Jaypee.

Reference Books:

- 1.) Huber – Nursing Management & Leadership ,2008,Elsevier
- 2.) Marriner – Guide to Nursing management ,2008,Elsevier
- 3.) Powell – Case Management,2009,LWW
- 4.) Ellis – Managing and coordinating Nursing,2009,WK