Duration

Course Duration	=	**4 Years**
Weeks available per year	=	52 years
Vacation	=	8 weeks
Gazetted holidays	=	3 weeks
Examination (Including preparatory)	=	4 weeks
Available weeks	=	37 weeks
Hours per week	=	40
Practical	=	30 hours per week
Theory	=	10 hours per week
Internship practical	=	48 hours per week
Hours available per academic year	=	1480 (37 weeks x 40 hours)

COURSE OF INSTRUCTION

First Year

Sl. No.	Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In hrs)
1.	* English	60		
2.	Anatomy	60		
3.	Physiology	60		
4.	Nutrition	60		
5.	Biochemistry	30		
6.	Nursing Foundations	265+200	450	
7.	Psychology	60		
8.	Microbiology	60		
9.	Introduction to Computers	45		
10.	** Hindi/ Regional language	30		
11.	Library work/ Self Study			50
12.	Co-curricular activities			50
	Total Hours	**930**	**450**	**100**
	Total hours = 1480 hrs			

** *Optional*

Second Year

Sl. No.	Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In hrs)
1.	Sociology	60		
2.	Pharmacology	45		
3.	Pathology & Genetics	30 15		
4.	Medical – Surgical Nursing (Adult including geriatrics)-I	210	720	
5.	Community Health Nursing-I	90	135	
6.	Communication and Educational Technology	60+30		
7.	Library work/ Self Study			50
8.	Co-curricular activities			35
	Total Hours	**540**	**855**	**85**
	Total hours=1480 hrs			

Third Year

Sl. No.	Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In hrs)
1.	Medical-Surgical Nursing (Adult including geriatrics)-II	120	270	
2.	Child Health Nursing	90	270	
3.	Mental Health Nursing	90	270	
4.	Midwifery and Obstetrical Nursing	90	180	
5.	Library works/Self study			50
6.	Co-curricular activities			50
	Total Hours	**390**	**990**	**100**
	Total hours = 1480 hrs			

Fourth Year

Sl. No.	Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	(In hrs)
1.	Midwifery and Obstetrical Nursing		180	
2.	Community Health Nursing - II	90	135	
3.	Nursing Research & Statistics	45		
4.	Management of Nursing Services and education	60+30		
	Total Hours	**225**	**315**	
Total hours = 540 hrs				

- *Project work to be carried on during internship*

Intern-Ship (Integrated Practice)

Practical = 30 hours per week

Sl. No.	Subject	Theory	Practical (In hrs)	In Weeks
1.	Midwifery and Obstetrical Nursing		240	5
2.	Community Health Nursing – II		195	4
3.	Medical Surgical Nursing (Adult and geriatric)		430	9
4.	Child Health Nursing		145	3
5.	Mental Health Nursing		95	2
6.	Research Project		45	1
	Total Hours		**1150**	**24**
Total = 1690 hours				

Note:

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
2. Internship should be carried out as 8 hours per day @ 48 hours per week.
3. Students during internship will be supervised by nursing teachers.
4. Fourth year final examination to be held only after completing internship.

Scheme of Examination

First Year

Sl. No.	Subject	Assessment			
		Hours	Internal	External	Total
	Theory				
1.	Anatomy & Physiology	3	25	75	100
2.	Nutrition and Biochemistry	3	25	75	100
3.	Nursing Foundations	3	25	75	100
4.	Psychology	3	25	75	100
5.	Microbiology	3	25	75	100
6.	English	3	25	75	100
7.	Introduction to Computer		25	75	100
	Practical & Viva Voce				
1.	Anatomy & Physiology		50	50	100
2.	Nursing Foundations		50	50	100

ENGLISH

Placement – First Year

Time: Theory – 60 hours

Course Description :

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	• Speak and write grammatically correct English	• Review of Grammar • Remedial study of Grammar • Building Vocabulary • Phonetics • Public Speaking	• Demonstrate use of Dictionary • Class-room conversation • Exercise on use of Grammar • Practice in public speaking	• Objective Type • Fill in the blanks • Para phrasing
II	30	• Develop ability to read, understand and express meaning fully, the prescribed text	• Read and comprehend prescribed course books	• Exercise on: ❑ Reading ❑ Summarizing ❑ Comprehension	• Short Answer • Essay Types
III	10	• Develop writing skills	• Various forms of composition ❑ Letter writing ❑ Note taking ❑ Precis writing ❑ Nurses notes ❑ Anecdotal records ❑ Diary writing ❑ Reports on health problems etc. Resume/CV	• Exercises on writing ❑ Letter writing ❑ Nurses notes ❑ Précis ❑ Diary ❑ Anecdote ❑ Health problems ❑ Story writing ❑ Resume/CV • Essay writing ❑ Discussion on written reports/ documents	• Assessment of the skills based on the check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	6	• Develop skill in spoken English	• Spoken English ❑ Oral report ❑ Discussion ❑ Debate ❑ Telephonic conversation	• Exercise on: ❑ Debating ❑ Participating in Seminar, panel, symposium ❑ Telephonic conversation	• Assessment of the skills based on the check list
V	4	• Develop skill 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 check list

Anatomy

Placement- First Year **Time:** Theory-60 hours

Course Description :

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	• Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands	**Introduction to Anatomical terms organization of the human body** • Human cell structure • Tissues-Definition, Types, characteristics, classification, location, functions and formation • Membranes and glands-classification and structure Alterations in diseases Applications and implications in nursing	• Lecture discussion • Explain using charts, microscopic slides, Skeleton & torso • Demonstrate cells, types of tissues membranes and glands • Record book	• Short answer questions • Objective type
II	6	• Describe the structure & function of bones and joint	**The Skeletal System** • Bones-types, structure, Axial & Appendicular Skeleton, • Bone formation and growth • Description of bones • Joints-classification and structure Alterations in disease Applications and implications in nursing	• Lecture discussion • Explain using charts, skeleton, loose bones, and joints • Record book	• Short answer questions • Objective type
III	7	• Describe the structure and function of muscles	**The Muscular System** • Types and structure of muscles· • Muscles groups Alterations in disease Applications and implications in nursing	• Lecture discussing • Explain using chart, models and films • Demonstrate muscular movements • Record book	• 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** • Structure of neurologia & neurons • Somatic Nervous System ❑ Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves • Autonomic Nervous System-sympathetic, parasympathetic ❑ Structure, location Alterations in disease Applications and implications in nursing	• Lecture discussion • Explains using models, charts, slides, specimens • Record book	• Short answer questions • Objective type
V	6	• Explain the structure & functions of sensory organs	**The Sensory Organs** • Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus) Alterations in disease Applications and implications in nursing	• Lecture discussion • Explains using models, charts, slides, specimens • Record book	• Short answer questions • Objective type
VI	7	• Describe the structure & function of circulatory and lymphatic system	**Circulatory and lymphatic system** • The Circulatory System ❑ Blood-Microscopic structure ❑ Structure of Heart ❑ Structure of Blood vessels-Arterial & Venous System, ❑ Circulation : systemic, pulmonary, coronary • Lymphatic System ❑ Lymphatic vessels and lymph ❑ Lymphatic tissues - Thymus gland - Lymph nodes - Spleen - Lymphatic nodules Alterations in disease Applications and implications in nursing	• Lecture discussion • Explains using models, charts, slides, specimens • Record book	• Short answer questions • Objective type
VII	5	• Describe the structure & function 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 • Explains using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VIII	6	• Explain 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 • Explains using models, charts, slides, specimens • Record book	• Short answer questions • Objective type
IX	4	• Describe the structure & function of excretory system	**Excretory System - (Urinary)** • Structures of organs of urinary system: Kidney, ureters, urinary bladder, urethra, structure of skin • Alterations in diseaseApplications and implications in nursing	• Lecture discussion • Explains using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type
X	4	• Describe the structure & function 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 • Explains using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type
XI	4	• Describe the structure & function 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 • Explains using models, torso, charts, slides, specimens • Record book	• Short answer questions • Objective type

Physiology

Placement- first Year

Time: Theory-60 Hours

Course Description :

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	• Describe the Physiology of cell, tissues, membrances and glands	**Cell Physiology** • Tissue-formation, repair • Membranes & glands-functions Alterations in disease Applications and implications in nursing	• Lecture discussion	• Short answer questions • Objective type
II	4	• Describe the bone formation and growth and movements of skeleton system	**Skeleton System** • Bone formation and growth • Bone-Functions and movements of bones of axial and appendicular skeleton, bone healing • Joints and joint movement Alterations in disease Applications and implications in nursing	• Lecture discussion • Explain using charts, models and films • Demonstration of joint movements	• Short answer questions • Objective type
III	4	• Describe the muscle movements and tone and demonstrate muscle contraction and tone	**Muscular System** • Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease Applications and implications in nursing	• Lecture discussion • Explain using charts, models slides, specimen and films • Demonstration muscle movements, tone and contraction	• Short answer questions • Objective type
IV	7	• Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves	**Nervous System** • Functions of Neurolgia & neurons • Stimulus & nerve-impulse-definitions and mechanism • Functions of brain, spinal cord, cranial and spinal nerves • Cerebrospinal fluid-Composition, circulation and function	• Lecture discussion • Explain using charts, models and films • Demonstrate nerve stimulus, reflex action, reflexes	• Short answer questions • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		• Demonstrate reflex action and stimulus	• Reflex arc, Reflex action and reflexes • Autonomic functions- ❑ Pain: somatic, visceral, and referred ❑ Autonomic learning and biofeedback Alterations in disease Applications and implications in nursing		
V	8	• Describe the physiology of blood and functions of Heart • Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring	**Circulatory System** • Blood formation, composition, blood groups, blood coagulation • Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation • Functions of Heart, Conduction, Cardiac cycle, circulation-Principles, Control, factors influencing BP and Pulse Alterations in disease Applications and implications in nursing	• Lecture discussion • Explain using charts, films • Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system • Measurement of pulse, BP	• Short answer questions • Objective type
VI	6	• Describe the physiology and mechanisms of respiration • Demonstrates spirometry	**The Respiratory System** • Functions of respiratory organs • Physiology of respiration • Pulmonary ventilation, Volume • Mechanics of respiration • Gaseous exchange in lungs • Carriage of oxygen & carbon-dioxide • Exchange of gases in tissues • Regulation of respiration Alterations in disease Applications and implications in nursing	• Lecture discussion • Explain using charts, films • Demonstration of spirometry	• Short answer questions • Objective type
VII	6	• Describe the physiology of digestive system • Demonstrates BMR	**The Digestive System** • 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	• Lecture discussion • Explain using charts and films	• Short answer questions • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VIII	5	• Describe the physiology of excretory System	**The Excretory System** • Functions of kidneys, ureters, urinary bladder & urethra • 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	• Lecture discussion • Explain using charts and films	• Short answer questions • Objective type
IX	4	• Describe the physiology of sensory organs	**The Sensory Organs** • Function of skin, eye, ear, nose, tongue, Alteration in disease Applications and implications in nursing	• Lecture discussion • Explain using Charts, films • Demonstration of BMR	• Short answer questions • Objective type
X	5	• Describe the physiology of endocrine glands	**The Endocrine System** • Function 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, specimens	• Short answer questions • Objective type
XI	5	• Describe the physiology of male and female reproductive system	**The Reproductive System** • Reproduction of cells- DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. • Function 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	• Short answer questions • Objective type
XII	2	• Describe the physiology of Lymphatic and Immunological System	**Lymphatic and Immunological System** • Circulation of lymph • Immunity ❑ Formation of T-cells and B cells ❑ Types of Immune response ❑ Antigens ❑ Cytokines ❑ Antibodies	• Lecture discussion • Explain using Charts, films	• Short answer questions • Objective type

Nutrition

Placement : First Year

Time : 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
	Th.	Pr.				
I	4		• Describe the relationship between nutrition & Health.	**Introduction** • Nutrition: ❑ 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	• Lecture Discussion • Explaining using charts • Panel discussion	• Short answers questions • Objective types
II	2		• Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	**Carbohydrates** • Classification • Caloric value • Recommended daily allowances • Dietary sources • Functions • Digestion, absorption and storage, metabolism of carbohydrates • Malnutrition: Deficiencies and Over consumption	• Lecture Discussion • Explaining using charts	• Short answers questions • Objective types
III	2		• Describe the classification, functions, sources and	**Fats** • Classification • Caloric value • Recommended daily allowances	• Lecture Discussion • Explaining using charts	• Short answers • Objective types

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			recommended daily allowances (RDA) of Fats	• Dietary sources. • Functions • Digestion, absorption and storage, metabolism • Malnutrition: Deficiencies and Over consumption		
IV	2		• Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins	**Proteins** • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions • Digestion, absorption metabolism and storage • Malnutrition: Deficiencies and Over consumption	• Lecture Discussion • Explaining using charts	• Short answers • Objective types
V	3		• Describe the daily calorie requirement for different categories of people	**Energy** • Unit of Energy-Kcal • Energy requirements of different categories of people. • Measurements of energy. • Body Mass Index (BMI) and basic metabolism • Basic Metabolic Rate (BMR)-determination and factors affecting	• Lecture Discussion • Explaining using charts • Exercise • Demonstration	• Short answers • Objective types
VI	4		• Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins	**Vitamins** • Classification • Recommended daily allowances • Dietary sources • Functions • Absorption, synthesis, metabolism storage and excretion • Deficiencies • Hypervitaminosis	• Lecture Discussion • Explaining using charts	• Short answers • Objective types
VII	4		• Describe the classification, functions, sources and recommended	**Minerals** • Classification • Recommended daily allowances • Dietary sources • Functions	• Lecture Discussion • Explaining using charts	• Short answers • Objective types

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			daily allowances (RDA) of Minerals	• Absorption, synthesis, metabolism storage and excretion • Deficiencies • Over consumption and toxicity		
VIII	3		• Describe the sources, functions and requirements of Water & electrolytes	**Water & electrolytes** • 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	• Lecture Discussion • Explaining using charts	• Short answers • Objective types
IX	5	15	• Describe the Cookery rules and preservation of nutrients • Prepare and serve simple beverages and different types of foods	**Cookery rules and preservation of nutrients** • 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	• Lecture Discussion • Demonstration • Practice session	• Short answers • Objective types • Assessment of practice sessions
X	7	5	• Describe and plan balanced diet for different categories of people	**Balanced diet** • Elements • Food groups • Recommended Daily allowance • Nutritive value of foods • Calculation of balanced diet for different categories of people • Planning menu • Budgeting of food • Introduction to therapeutic diets: Naturopathy- Diet	• Lecture Discussion • Explaining using charts	• Short answers • Objective types • Exercise on menu planning

Unit	Time (Hrs) Th.	Time (Hrs) Pr.	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XI	4		• Describe various national programmes related to nutrition • Describe the role of nurse in assessment of nutritional status and nutrition education	**Role of nurse in nutritional programmes** • National programme related to nutrition. ❑ Vitamin A deficiency programme ❑ National iodine deficiency disorder (IDD) programme ❑ Mid-day meal programme ❑ Integrated child developed scheme (ICDS) • National and International agencies working towards food/nutrition ❑ NIPCCD, CARE, FAO, NIN, CFTRI (Central foods technology and research institute) etc • Assessment of nutritional status • Nurtition education and role of a nurse	• Lecture Discussion • Explaining with • Slide/Film shows • Demonstration of assessment of nutritional status	• Shot answers • Objective types

Biochemistry

Placement-First Year **Time:** 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 understand the alterations in biochemistry in diseases for practice of nursing

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	• Describe the structure Composition and functions of cell • Differentiate between Pro-karyote and Eukaryote cell • Identify techniques of Microscope	**Introduction** • Definition and significance in nursing • Review of structure, Composition and functions of cell • Prokaryote and Eukaryote cell organization • Microscopy	• Lecture discussion using charts, slides • Demonstration use of Microscope	• Short answer questions • Objective type
II	6	• Describe the Structure and functions of Cell membrane	**Structure and functions of Cell membrane** • Fluid mosaic model tight junction, Cytoskeleton • Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump • Acid base balance- maintenance & diagnostic tests ❑ PH buffers	• Lecture discussion	• Short answer questions • Objective type
III	6	Explain the metabolism of carbohydrates	**Composition and metabolism of Carbohydrates** • Types, structure, composition and uses ❑ Monosaccharide, Disaccharides, Polysaccharides, Oligosaccharides • Metabolism ❑ Pathways of glucose: - Glycolysis - Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle	• Lecture discussion • Demonstration of blood glucose monitoring	• Short answer questions • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			- Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) ❑ Regulation of blood glucose level Investigations and their interpretations		
IV	4	• Explain the metabolism of Liquids	**Composition and metabolism of Lipids** • Types, structure, composition and uses of fatty acids ❑ Nomenclature, Roles and Prostaglandins • Metabolism of fatty acid ❑ Breakdown ❑ Synthesis • Metabolism of tri acylglycerols • Cholesterol metabolism ❑ Biosynthesis and its Regulation - Bile salts and bilirubin - Vitamin D - Steroid hormones · Lipoproteins and their functions: ❑ VLDs- IDLs, LDLs and HDLs ❑ Transport of lipids ❑ Atherosclerosis, Investigation 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 Proeins	**Composition and metabolism of Amino acids and Proteins** • Types, structure, composition and uses of Amino acids and Proteins • Metabolism of Amino acids and Proteins ❑ Protein synthesis, targeting and glycosylation ❑ Chromatography ❑ Electrophoresis ❑ Sequencing • Metabolism of Nitrogen ❑ Fixation and Assimilation ❑ Urea Cycle ❑ Hemes and chlorophylls	• Lecture discussion using charts • Demonstration of laboratory tests	• Short answer questions • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• Enzymes and co-enzymes ❑ Classification ❑ Properties ❑ Kinetics and habitation ❑ 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 using charts • Demonstration of 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. • Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein. • Electrophoretic and Quantitative determination of immunoglobins - ELISA etc. Investigation and their interpretation	• Lecture discussion • Demonstrate of laboratory tests	• Short answer questions • Objective type

Nursing Foundations

Placement: First Year

Time: Theory- 265 hours
Pactical-650 hours
(200 lab and 450 clinical)

Course Description :

This course is designed to help the students to develop an understanding of the philosophy, objective, 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** • Concept of Health: Health- Illness continuum • Factors influencing health • Causes and risk factors for developing illness • Body defenses: Immunity and immunization • Illness and Illness Behavior • Impact of illness on patient and family • Health Care Services: Health Promotion and Prevention, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care • Health care teams • Types of health care agencies • Hospitals: Types, Organization and Functions • Health Promotion and Levels of Disease Prevention • Primary health care and its delivery: Role of nurse	• Lecture discussion • Visit to health care agencies	• Essary type • Short answers • Objective type
II	16	• Explain concept and scope of nursing • Describe values, code of ethics and professional conduct for nurses in India	**Nursing as a profession** • Definition and Characteristics of a profession • Nursing: ❑ Definition, Concepts, philosophy, objective ❑ Characteristics, nature and scope of nursing practice ❑ Functions of nurse	• Lecture discussion • Case discussion • Role plays	• Essary type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Qualities of a nurse ❑ 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: ❑ Definition and Ethical Principles ❑ Code of ethics and professional conduct for nurses		
III	4	• Explain the admission and discharge procedure • Performs admission and discharge procedure	**Hospital admission and discharge** • Admission to the hospital ❑ Unit and its preparation - admission bed ❑ Admission procedure ❑ Special considerations ❑ Medico-legal issues ❑ Role and Responsibilities of the nurse • Discharged from the hospital ❑ Types : Planned discharge, LAMA and abscond, Referrals and transfers ❑ Discharge planning ❑ Discharge procedure ❑ Special considerations ❑ Medico-legal issues ❑ Role and Responsibility of 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 members and maintain effective human relation (projecting professional image)	**Communication and Nurse patient relationship** • Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication ❑ Methods of Effective Communication, - Attending skills - Rapport building skills - Empathy skills ❑ Barriers to effective communication,	• Lecture discussion • Role play and video film on the nurses interacting with the patient • Practice session on patient teaching • Supervised Clinical practice	• Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		• Appreciate the importance of patient teaching in nursing	• Helping Relationships (NPR): Dimensions of Helping Relationships, Phases of a helping relationship • Communicating effectively with patient, families and team members and maintain effective human relationship 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		
V	15	• Explain the concept, uses, format and steps of nursing process • Documents nursing process as per the format	**The Nursing Process** • Critical Thinking and Nursing Judgment ❑ Critical Thinking: Thinking and Learning, ❑ Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview: Application in Practice ❑ Nursing process format: INC, current format ❑ Assessment - Collection of Data: Types, Sources, Methods - Formulating Nursing Judgement : Data interpretation ❑ Nursing diagnosis - Identification of client problems - Nursing diagnosis statement - Different between medical and nursing diagnosis ❑ Planning - Establishing Priorities - Establishing goals and Expected Outcomes,	• Lecture discussion • Demonstration • Exercise • Supervised Clinical practice	• Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			- 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	• Describe the purposes, types and techniques of recording and reporting	**Documentation and Reporting** • 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	• Describe principles and techniques of monitoring and maintaining vital signs • Monitor and maintain vital signs	**Vital signs** • Guidelines for taking vital signs: • **Body** Temperature: ❑ Physiology, Regulation, Factors affecting body temperature, ❑ Assessment of body temperature: sites, equipments and technique, special considerations ❑ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia	• Lecture discussion • Demonstration • Practice • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Hot and Cold applications • **Pulse:** ❑ Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse ❑ Assessment of pulse: sites, location, equipments and technique, special considerations ❑ Alterations in pulse: • **Respiration:** ❑ Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration ❑ Assessment of respirations: technique, special considerations ❑ Alterations in respiration • **Blood pressure:** ❑ Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure ❑ Assessment of blood pressure: sites, equipments, technique and special considerations ❑ Alterations in blood pressure Recording of vital signs		
VIII	30	• Describe purpose and process of health assessment • Describe the health assessment of each body system • Perform health assessment of each body system	**Health assessment** • Purposes • Process of Health assessment ❑ Health history ❑ Physical examination: - Methods-Inspection, Palpation, Percussion, Auscultation, Olfaction - Preparation for examination: patient and unit - General assessment - Assessment of each body system - Recording of health assessment	• Lecture discussion • Demonstration • Practice on simulators • Supervised Clinical practice	• Essay type • Short answers • Objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	5	• Identifies the various machinery, equipment and linen and their care	**Machinery, Equipment and linen** • Types: Disposables and reusable- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery • Introduction: ❑ Indent ❑ Maintenance ❑ Inventory	• Lecture discussion • Demonstration	• Essay type • Short answers • Objective types
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 o Assessment, Principles, Types, Equipments, Procedure, Special Considerations - Patient environment: Room Equipments and linen, making patient beds o Types of beds and bed making ❑ Comfort:- - Factors influencing comfort	• Lecture discussion • Demonstration • Practice sessions • Supervised • Clinical practice	• Essay type • Short answers • Objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			- Comfort devices • Physiological needs: ❑ Sleep and Rest: - Physiology of sleep - Factors affecting sleep - Promoting Rest and sleep - Sleep Disorders ❑ Nutrition:- - Importance - Factors affecting nutritional needs - Assessment of nutritional needs: Variables - Meeting Nutritional needs: Principles, equipments, procedure and special consideration o Oral o Enteral: Naso/ Orogastric, gastrostomy o 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 o Providing urinal/ bed pan o Condom drainage o Perineal care o Catheterization o Care of urinary drainage o Care of urinary diversions o Bladder irrigation		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ 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, equipment, procedures, and special considerations o Passing of Flatus tube o Enemas o Suppository o Sitz bath o Bowel wash o Care of Ostomies ❑ Mobility and immobility - Principles of body mechanics - Maintenance of normal body alignment 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 special considerations, rehabilitation aspects o Range of motion exercises o Maintaining body alignment: Positions o Moving o Lifting o Transferring		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			o Walking o 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 o Maintenance of patent airway o Oxygen administration o Suction o Inhalations: dry and moist o Chest physiotherapy and postural drainage o Care of chest drainage o Pulse oximetry o CPR- Basic life support ❑ Fluid, Electrolyte, and Acid-Base Balances - Review of Physiological Regulation of Fluid, Electrolyte, and Acid- Base Balances - Factors Affecting Fluid, Electrolyte, and Acid- Base Balances - Alterations in Fluid, Electrolyte, and Acid- Base Balances - Nursing interventions in Fluid, Electrolyte, and Acid - Base Imbalances: assessment, types equipment, procedure and special considerations o Measuring fluid intake and output		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			o Correcting Fluid, Electrolyte Imbalance: ✓ Replacement of fluids: Oral and Parenteral- Venipuncture, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing, ✓ Administering Blood transfusion ✓ Restriction of fluids • Psychosocial Needs ❑ Concepts of Cultural Diversity, Stress and Adaption, 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 ❑ Recreational and diversional therapies		
XI	20	• Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical setting	**Infection control in Clinical setting** • Infection control ❑ Nature of infection ❑ Chain of infection transmission ❑ Defense against infection: natural and acquired ❑ Hospital acquired infection (Nosocomial infection) • Concept of asepsis: medical asepsis, and surgical asepsis • Isolation precautions (Barrier nursing)	• Lecture discussion • Demonstration • Practice session • Supervised Clinical practice	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VIII	5		❑ Hand washing: simple, hand antisepsis and surgical antisepsis (scrub) ❑ Isolation: source and protective ❑ Personal protecting equipments: types, uses and technique of wearing and removing ❑ Decontamination of equipment and unit ❑ Transportation of infected patients ❑ Standard safety precautions (Universal precautions) ❑ Transmission based precautions • Biomedical waste management: ❑ Importance ❑ Types of hospital waste ❑ Hazards associated with hospital waste ❑ Decontamination of hospital waste ❑ Segregation and Transportation and disposal		
XII	40	• Explain the principles, routes, effects of administration of medications • Calculate conversions of drugs and dosages within and between systems of measurements • Administer drug by the following routes- oral,	**Administration of Medications** • General Principles/ Considerations ❑ Purposes of Medication ❑ Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Errors ❑ Drug forms ❑ Routes of administration ❑ Storage and maintenance of drugs and Nurses responsibility ❑ Broad classification of drugs ❑ Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions Drug Tolerance, Drug Interactions, ❑ Factors Influencing drug Actions,	• Lecture discussion • Demonstration • Practice session • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Intradermal, Subcutaneous Intramuscular, Intra Venous topical, inhalation	❑ 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 ❑ General principles: decontamination and disposal of syringes and needles ❑ Types of parenteral therapies ❑ Types of syringes, needles, cannula, and infusion sets ❑ Protection from Needle stick 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 - Intravenous: purpose, site, equipment, procedure, special considerations - Advanced techniques: epidural, intrathecal, intraosseous, intraperitonial, intra pleural, intra arterial- Role of nurse • Topical Administration: purposes, site, equipment, procedure special considerations for		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ 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/ tracheal (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 wound care • Perform care of wounds	**Meeting needs of Perioperative** • 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 ❑ Recovery unit ❑ Post operative unit ❑ Post operative care • Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing • Surgical asepsis	• Lecture discussion • Demonstration • Practice session • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• 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	**Meeting special needs of the patient** • Care of patients having alteration in ❑ 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 consideration ❑ Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations ❑ Mental state (mentally challenged), assessment of Self-Care ability: ❑ Communication Methods and special considerations ❑ Respiration (distress); Types, Assessment, Management ❑ Comfort- (Pain)- Nature, Types, Factors influencing Pain, Coping, Assessment, Management; • Treatment related to gastrointestinal system: naso-gastric suction, gastric irrigation, gastric analysis	• Lecture discussion • Case discussions • Supervised Clinical practice	• Essay type • Short answers • Objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XV	5	Explain care of terminally ill patient	**Care of Terminally ill patient** ❑ Concept of Loss, Grief, grieving Process ❑ Signs of clinical death ❑ Care of dying patient: special considerations - Advance directives: euthanasia, will, dying declaration, organ donation etc ❑ Medico- legal issues ❑ Care of death body: equipment, procedure and care of unit ❑ Autopsy ❑ Embalming	• Lecture discussion • Demonstration • Case discussions/ Role play • Practice session • Supervised Clinical practice	• Essay type • Short answers • Objective types
XVI	6	• Explain the basic concepts of conceptual and theoretical models of nursing	**Professional Nursing Concepts and Practices** • Conceptual and theoretical models of nursing practice: introduction to models- holistic model, health belief model health promotion model etc • Introduction to Theories in Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's • Linking theories with nursing process	• Lecture discussion	• Essay type • Short answers

Nursing Foundations- Practical

Placement: First Year

Time: Practical-650 hours

(200 lab and 450 clinical)

Course Description :

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

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)** • Admission • Prepare Unit for new patient • Prepare admission bed • Perform 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	• Evaluate with checklist • Assessment of clinical Performance with rating scale • Completion of Practical record
		• Prepares nursing care plan as per the nursing process format	**Perform assessment:** • 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-I • Actual- I	• Assessment of nursing process records with checklist • Assessment of actual care given with rating scale

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		• Communicate effectively with patient, families and team members and • Maintain effective human relations • Develops plan for patient teaching	**Communication** • Use verbal and non verbal communication techniques **Prepare a plan for patient teaching session**	• Role- plays in simulated situations on communication techniques-I • Health talk-I	• Assess role plays with the checklist on communication techniques • Assess health talk with the checklist • Assessment of communication techniques by rating scal
		• Prepare patient reports • Presents reports	**Write patient report** • Change-of shift reports, Transfer reports, Incident reports etc • Presents patient report	• Write nurses notes and present the patient report of 2-3 assigned patient	• Assessment of performance with rating scale
		• Monitor vital signs	**Vital signs** • Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure	• Lab practice • Measure Vital signs of assigned patient	• Assessment of each skill with checklist • Completion of activity record
		• Perform health assessment of each body system	**Health assessment** • Health history taking • Perform assessment: ❑ General ❑ Body Systems • Use various methods of physical examination • Inspection, Palpation, Percussion, Auscultation, Olfaction • Identification of system wise deviations		
		• Provide basic nursing care to patients	**Prepare Patient's unit:** • Prepare beds: ❑ Open, closed, occupied, operation, amputation	• Practice in lab & hospital • Simulated exercise on CPR manikin	• Assessment of each skill with rating scale • Completion of activity record

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			❑ Cardiac, fracture, burn, Divided, & Fowlers bed • Pain assessment and provision for comfort **Use comfort devices Hygienic Care:** • Oral hygiene: • Baths and care of pressure points • Hair wash, Pediculosis treatment **Feeding:** • Oral, Enteral, Naso/Orogastric, gastrostomy and Parenteral feeding • Naso/gastric insertion, suction, and irrigation **Assisting patient in urinary elimination** • Provides urinal/bed pan • Condom drainage • Perineal care • Catheterization • Care of urinary drainage **Bladder irrigation Assisting bowel Elimination:** • Insertion of Flatus tube • Enemas • Insertion of Suppository **Bowel wash** **Body Alignment and Mobility:** ❑ Range of motion exercises ❑ Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position ❑ Assist patient in Moving. Lifting, transferring, ❑ Restraints **Oxygen administration** **Suctioning: Oropharyngeal, nasopharyngeal** **Chest physiotherapy and postural drainage**		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			Care of chest drainage **CPR- Basic life support** **Intravenous therapy** **Blood and blood component therapy** **Collect/ assist for collection of specimens for investigations Urine, Sputum, faeces, vomitus, blood and other body fluids** **Perform lab tests:** • Urine: sugar, albumin, acetone • Blood: sugar (with strip/ gluco-meter) **Hot and cold applications:** Local and general Sitz bath **Communicating and assisting with self-care of visually & hearing impaired patients** **Communicating and assisting with self-care of mentally challenged/ disturbed patients** **Recreational and diversional therapies** **Caring of patient with alteration in sensorium**		
		• Perform infection control procedures	**Infection control** • Perform following procedures: ❑ Hand washing techniques ❑ (Simple, hand antisepsis and surgical antisepsis scrub) ❑ Prepare isolation unit in lab/ ward	• Observation study-2 • Department of infection control & CSSD	• Assess observation study with checklist • Evaluate all procedures with checklist

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			❑ Practice technique of wearing and removing Personal protective equipment (PPE) ❑ Practice Standard safety precautions (Universal precautions) **Decontamination of equipment and unit:-** • Surgical asepsis: ❑ Sterilization ❑ Handling sterilized equipment ❑ Calculate strengths of lotions, ❑ Prepare lotions • Care of articles	• Visits CSSD write observation report • Collection of samples for culture • Do clinical posting in infection control department and write report • Practice in lab/ward	
		• Provide care to pre and post operative patients • Perform procedures for care of wounds	**Pre and post operative care:** • Skin preparations for surgery: Local • Preparation of Post operative unit· • Pre & post operative teaching and counseling • Pre & post operative monitoring • Care of the wound: • Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, Splints & Slings • Bandaging of various body parts		
		• Administer drugs	**Administration of medications** • Administer Medications in different forms and routes • Oral, Sublingual and Buccal • Parenteral: Intradermal, subcutaneous, Intramuscular etc. • Assist with Intra Venous medications • Drug measurements and dose calculations • Preparation of lotions and solutions • Administers topical applications • Insertion of drugs into body cavity: Suppository & medicated packing etc.		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			• Instillation of medicines and spray into Ear, Eye, Nose, and throat • Irrigations: Eye, Ear, Bladder, Vagina and Rectum • Inhalations: dry and moist		
		• Provide care to dying and dead • Counsel and support relatives	**Care of dying patient** • Caring and packing of dead body • Counseling and supporting grieving relatives • Terminal care of the unit		

Psychology

Course Description:

This course is designed to assist the students to acquire knowledge of fundamental of psychology and develop an insight into behavior of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice.

Placement: First Year Time: Theory 60 Hours

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	• Describe the history, scope and methods of psychology	**Introduction:** • History and origin of science of psychology • Definition & Scope of Psychology • Relevance to nursing • Methods of Psychology	• Lecture Discussion	• Essay type • Short answers
II	4	• Explain the biology of Human behavior • Describe various cognitive processes and their applications	**Biology of behavior** • Body mind relationship modulation process in health and illness • Genetics and behavior: Heredity and environment • Brain and behavior: Nervous System, Neurons and synapse, • Association Cortex, Rt and Lt Hemispheres • Psychology and Sensations • Muscular and glandular controls of behavior • Nature of behaviour of an organism/ Integrated responses	• Lecture Discussion	• Essay type • Short answers
III	20	• Describe various cognitive processes and their applications	**Cognitive processes** • 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	• Lecture Discussion • Psychometric assessment: • Practice sessions	• Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• Memory: Meaning, Types, Nature Factors influencing, Development Theories and methods of memorizing and Forgetting • 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 behavior	**Motivation and Emotional Processes:** • Motivation: Meaning, Concepts, Types, Theories, Motives and behavior, 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, ❑ Behavior 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 behavior	**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** • 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 defense mechanisms	**Mental hygiene and mental Health** • 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 Defense 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** • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in Psychological assessment	• Lecture discussion • Demonstration • Practice sessions	• Essay type • Short answers

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 provide opportunities for practicing infection control measures in hospital and community settings

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	5		• Explain concepts and principles of micro biology and their importance in nursing	**Introduction** • Importance and relevance to nursing • Historical perspective • Concepts and terminology • Principles of microbiology	• Lecture discussion	• Short answers • Objective types
II	10	5	• Describe structure, classification morphology and growth of bacteria • Identify Micro-Organisms	**General characteristics of Microbes** • 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 Micro-organisms • Staining techniques, Gram staining, Acid fast staining, hanging drop preparation • Culture; various medias	• Lecture discussion • Demonstration	• Short answers • Objective types
III	10	2	• Describe the methods of infection control • Identify the role of nurse	**Infection control** • Infection: Sources, portals of entry and exit, transmission • Asepsis • Disinfection; Types and methods • Sterilization; Types and Methods • Chemotherapy and antibiotics • Standard safety measures • Biomedical waste management	• Lecture discussion • Demonstration • Visits to CSSD • Clinical practice	• Short answers • Objective types

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			in hospital infection control programme	• Role of Nurse • Hospital acquired infection • Hospital infection control programme ❑ Protocols, collection of samples, preparation of report and status of rate of infection in the unit/ hospital, nurse's accountability, continuing education etc.		
IV	12	4	• Describe the different disease producing organisms	**Pathogenic organisms** • 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 Charac-teristics, Source, portal of entry, transmission of infection Identification of disease producing micro- organisms Collection, handling and transportation of various specimens	• Lecture discussion • Demonstration • Clinical practice	• Short answers • Objective types
V	8	4	• Explain the concept of immunity, hyper sensitivity and immunization	**Immunity** • 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	• Lecture discussion • Demonstration • Clinical practice	• Short answers • Objective types

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
	Th.	Pr.				
I	3		• Identify & define various concepts used in computer • Identify application of computer in nursing	**Introduction** • Concepts of Computers • Hardware and software; trends and technology • Application of computers in nursing	• Lecture discussion • Demonstration	• Short answers • Objective types
II	6	20	• Describe and Use the Disk Operating System • Demonstrate skill in the use of MS Office	• Introduction to disk- operating system ❑ DOS ❑ Windows (all version) • Introduction ❑ MS-Word ❑ MS-Excel with pictorial presentation ❑ MS- Access ❑ MS-Power point	• Lecture discussion • Demonstration • Practice session	• Short answers • Objective types • Practical Exam
III	2	3	• Demonstrate skill in using multi-media • Identify features of computer aided teaching and testing	• Multimedia; types & uses • Computer aided teaching & testing	• Lecture discussion • Demonstration	• Short answers • Objective type • Practical Exam and Viva Voce
IV	1	3	• Demonstrate use of internet and Email	• Use of Internet and e-mail	• Lecture discussion • Demonstration • Practice session	• Short answers • Objective type • Practical Exam and Viva Voce

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
V	2	2	• Describe and use the statistical packages	• Statistical packages: types and their features	• Lecture discussion • Demonstration • Practice session	• Short answers • Objective type • Practical Exam and Viva Voce
VI	1	2	• Describe the use of Hospital Management System	• Hospital Management System: Types and Uses	• Lecture discussion • Demonstration	• Short answers • Objective type • Practical Exam and Viva Voce

Second Year

Sl. No.	Subject	Assessment			
		Hours	Internal	External	Total
	Theory				
8.	Sociology	3	25	75	100
9.	Medical-Surgical Nursing-I	3	25	75	100
10.	Pharmacology, pathology, genetics	3	25	75	100
11.	Community Health Nursing-I	3	25	75	100
12.	Communication and Educational Technology	3	25	75	100
	Practical & Viva Voce				
3.	Sociology		25	25	50
4.	Medical-Surgical Nursing-I		75	75	150

Sociology

Placement: Second Year

Time: Theory- 60 Hours

Course Description :

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	1	• State the importance of sociology in Nursing	**Introduction** • Definition of sociology • Nature and scope of the discipline • Importance and application of Sociology in Nursing	• Lecture Discussion	• Essay types • Short answers
II	3	• Describe the interrelationship of individual in society and community	**Individual & Society** • Society and Community • Nature of society • Difference between Society and Community • Process of socialization and individualization • Personal disorganization	• Lecture Discussion	• Essay types • Short answers
III	3	• Describe the influence of culture and on health and disease	**Culture** • Nature of culture • Evolution of culture • Diversity and uniformity of culture • Culture and socialisation • Transcultural society • Influence on health and diseases	• Lecture Discussion • Panel Discussion	• Essay types • Short answers
IV	4	• Identify various social groups and their interactions	**Social groups and processes** • The meaning and classification of groups • Primary and Secondary Groups • In- group V/s Out-group, Class Tribe, Caste • Economic, Political, Religious groups, Mob, Crowd, Public and Audience interaction & Social processes • Co-operation, Competition, Conflict • Accommodation, Assimilation & Isolation.	• Lecture Discussion	• Essay types • 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 Demographic characteristics • Malthusian theory of populations • Population explosion in India and its impact on health status • Family welfare programmes.	• Lecture Discussion • Community identification	• Essay type • Short answers • Assignment report on community identification
VI	5	• Describe the institutions of family and marriage in India	**Family and Marriage** • Family- functions • Types- Joint, Nuclear, Blended and extended family : Characteristics • The Modern Family- Changes, Problems-Dowry etc, Welfare Services • Changes & legislations on family and marriage in India-marriage acts • Marriage: Forms and functions of marriage • Marriage and family problems in India • Family, Marriage and their influence on health and health practices	• Lecture Discussion • Family Case study	• Essay type • Short answers • Assessment of family case study
VII	7	• Describe the class and caste system and their influence on health and health practices	**Social Stratification** • Meaning & types of social stratification • The Indian Caste System-origin & features • Features of Caste in India Today • Social Class System and Status • Social Mobility-Meaning & Types • Race as a biological concept, criteria of racial classification • Salient features of Primary races-Racism • Influence of Class, Caste and Race on health and health practices	• Lecture Discussion • Community Survey	• Essay type • Short answers • Assessment of report on community survey
VIII	6	• Describe the types of communities in India, their	**Types of Communities in India (Rural, Urban and Regional)** • Features of village community & Characteristics of Indian Villages - Panchayat System, social dynamics	• Lecture Discussion • Community Survey • Visits to rural and urban community	• Essay type • Assessment of report on community survey

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		practices and the impact on health	• Community Development project & 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 : Urbanisation and its impact on health and health practices • Major Urban problems- Urban Slums • **Region: Problems and impact on Health**		
IX	4	• Explain the process of social Change	**Social Change** • Nature and process of Social Change • Factors influencing Social change: cultural change, cultural lag. • Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional • Role of nurse-Change agents	• Lecture Discussion	• Essay type • Short answers
X XI	4 2	• Describe the Social System and interrelationship of social organizations	**Social organization and social system** • Social organization: elements, types • Democratic and authoritarian modes of participation, • Voluntary associations • Social system: Definition and Types of Social System • **Role and Status as Structural elements of social system** • Inter-relationship of institutions	• Lecture Discussion • Observation visits	• Essay type • Short answers • Assessment of visit report
XII	15	• Explain the nature and process of social control	**Social Control** • Nature and process of social control • Political, Legal, Religious, Educational, Economic, Industrial and Technological systems, Norms & Values- Folkways & Mores Customs, Laws and fashion • Role of nurse	• Lecture Discussion • Community Survey	• Essay type • Short answers • Assessment of reports on community survey

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XII	15	• Describe the role of the nurse in dealing with social problems in India	**Social Problems** • Social disorganization • Control & planning, poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups ; Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS • Social Welfare programmes in India • Role of nurse	• Lecture Discussion • Institutional visits	• Essay types • Short answers • Assessment of visit reports

Pharmacology

Placement: Second Year **Time:** Theory- 45 Hours

Course Description :

This course is designed to enable students to acquire understanding of pharmaco-dynamics, pharmacokinetics, principles of therapeutics and nursing implications.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	• Describe pharmacod-ynamics, pharmaco-kinetics, classification and the principles of drug administration	**Introduction of pharmacology** • Definitions • Sources • Terminology used • Types: classification • Pharmacodynamics: Actions, therapeutic, • Adverse, toxic • Phermacokeinetics: absorbtion, 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 type
II	6	• Explain chemotherapy of specific infections and infestations and nurse's responsibilities	**Chemotherapy** • Pharmacology of commonly used; ❑ Penicillin ❑ Cephalosporins ❑ Aminolycosides ❑ Macrolide & Broad Spectrum Antibiotics ❑ Sulfonamide ❑ Quinolones ❑ Antiamoebic ❑ Antimalarials ❑ Anthelmintics ❑ Antiscabies agents ❑ Antiviral & anti-fungal agents ❑ Antitubercular drugs ❑ Anti leprosy drugs ❑ Anticancer drugs ❑ Immune- Suppressants	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Composition, action, dosage, route, indication, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
III	2	• Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities	**Pharmacology of commonly used antiseptics, disinfectants and insecticides** • Antiseptics;Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse • Disinfectants • Insecticides	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective types
IV	2	• Describe Drugs acting on Gastro Intestinal system and nurse's responisibilities	**Drug acting on G.I system** • Pharmacology of commonly used- ❑ Antiemetics, ❑ Emetics ❑ Purgatives ❑ Antacids ❑ Cholinergics ❑ Anticholinergics ❑ Fluid and electrolyte therapy ❑ Anti diarrhoeals ❑ Histamines 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
V	2	• Describe Drug used on respiratory Systems and nurse's responsibilities	**Drug used on Respiratory System** • Pharmacology of commonly used- ❑ Antiasthmatics ❑ Mucolytics ❑ Decongestants ❑ Expectorants ❑ Antitussives ❑ Bronchodilators ❑ Broncho constrictors ❑ Anthistamines Composition, action, dosage, route, indications, contraindications, drug	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			interactions, side effects, adverse effects, toxicity and role of nurse		
VI	2	• Describe Drugs used on Urinary System and nurse's responsibilities	**Drugs used on Urinary System** • Pharmacology of commonly used- ❑ Diuretics and antidiuretics ❑ Urinary antiseptics ❑ Cholinergic and anticholinergics ❑ Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective types
VII	4	• Describe Drugs used in Deaddiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immune-suppression and nurse's responsibilities	**Miscellaneous** • Drugs used and in de-addiction • Drugs used in CPR and emergency • Vitamins and minerals • Immunosuppresants • Antidotes • Antivenom • Vaccines and sera	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective types
VIII	1	• Describe Drugs used on skin and mucous membranes and nurse's responsibilities	**Drugs used on skin and mucous membranes** • Topical applications for skin, eye, ear, nose and buccal cavity • Antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective types
IX	8	• Describe Drugs used on Nervous System and nurse's respocibilities	**Drugs acting on Nervous system** • Basic & applied pharmacology of commonly used: • Analgesics and Anaesthetics ❑ Analgesics - Non steroidal anti-inflammatory (NSAID) drugs	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective types

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Antipyretics ❑ Hypnotics and Sedatives-Opioids - Non-Opiods - Tranquilizers - General & local anesthetics - Gases: oxygen, nitrous oxide, carbon-dioxide • Cholinergic and anti-cholinergics: ❑ Muscle relaxants ❑ Major tranquilizers ❑ Anti- psychotics ❑ Antidepressants ❑ Anticonvulsants ❑ Adrenergenics ❑ Noradregenics ❑ Mood stabilizers ❑ Acetylcholine ❑ Stimulants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
X	5	• Describe Drugs used on Cardiovascular System and nurse's responsibilities	**Cardiovascular drugs** • Haematinics • Cardiotonics, • Anti anginals • Anti-hypertensives & Vasodilators • Anti- arrhythmics • Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective type
XI	4	• Describe drugs used for hormonal disorders and supplementation,	**Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy** • Insulins & Oral hypoglycemic	• Lecture Discussion • Drug study/ presentation	• Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		contraception and medical termination of pregnancy and nurse's responsibilities	• Thyroid supplements and suppressants • Steroids, Anabolics • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progestrone preparations • Corticotrophine & Gonadotropines • Adrenaline • Prostaglandins • Calcitonins • Calciums salt • Calcium regulators Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
XII	6	• Demonstrate awareness of the common drugs used in alternative system of 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

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

Pathology and Genetics

Section A- Pathology

Placement: Second Year

Time: Theory- 30 Hours

Course Description:

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	3		• Define the common terms used in pathology • Appreciate the deviations from normal to abnormal structure and functions of the body system.	**Introduction** ❑ Importance of the study of pathology ❑ Definition of terms ❑ Methods and techniques ❑ Cellular and Tissue changes ❑ Infiltration and regeneration ❑ Inflammations and Infections ❑ Wound healing ❑ Vascular changes • Cellular growth, Neoplasms ❑ Normal and Cancer cell ❑ Benign and Malignant growths ❑ In situ carcinoma • Disturbances of fluid and electrolyte	• Lecture discussion • Explain using charts	• Short answers • Objective type
II	10	5	• Explain Pathological changes in disease conditions of various systems	**Special pathology** • Pathological changes in disease conditions of various systems: • Respiratory tract ❑ Tuberculosis, Bronchitis, Pleural effusion and pneumonia, ❑ Lung abscess, Emphysema, bronchiectasis	• Lecture discussion • Explain using charts, slides, specimen, X-rays and Scans • Visit to Pathology lab, endoscopy unit and OT	• Short answers • Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				❑ Bronchial asthma, Chronic obstructive Pulmonary disease & tumors • Cardio- Vascular system ❑ Pericardial effusion ❑ Rheumatic heart disease ❑ Infective endocarditis, atherosclerosis ❑ Ischemia, infarction & aneurysm • Gastro Intestinal Tract ❑ Peptic ulcer, typhoid ❑ Carcinoma of GI tract- buccal, Esophageal, ❑ Gastric & intestinal • Liver, Gall bladder & pancreas ❑ Hepatitis, chronic liver abscess, cirrhosis ❑ Tumours of liver, gall bladder and pancreas, ❑ Cholecystitis • Kidney & Urinary tract ❑ Glomerulonephritis ❑ Pyelonephritis ❑ Calculi, renal failure, renal carcinoma & cystitis • Male genital systems ❑ Cryptorchidism, testicular atrophy ❑ Prostatic hyperplasia, carcinoma Penis & prostate • Female genital system ❑ Fibroids ❑ Carcinoma cervix and Endometrium ❑ Vesicular mole, choriocarcinoma ❑ Ectopic gestation ❑ Ovarian cyst & tumours • Cancer Breast • Central Nervous System		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				❑ Hydrocephalus, Meningitis, encephalitis ❑ Vascular disorders- thrombosis, embolism ❑ Stroke, paraplegia, quadriplegia ❑ Tumours, meningiomas-gliomas • Metastatic tumour • Skeletal system ❑ Bone healing, osteoporosis, osteomyelitis • Arthritis & tumours		
III	4	3	• Describe various laboratory tests in assessment and monitoring of disease condition	**Clinical pathology** • Various blood and bone marrow tests in assessment and monitoring of disease condition ❑ Hemoglobin ❑ RBC, white cell & platelet counts ❑ Bleeding time, clotting time and prothrombine time ❑ Blood grouping and cross matching ❑ Blood chemistry ❑ Blood culture ❑ Serological and immunological tests ❑ Other blood tests ❑ Examination of Bone marrow ❑ Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values	• Lecture discussion • Demonstration • Visit to Clinical Pathology & Bio-Chemistry lab and Blood bank	• Short answers • Objective type
IV	2	1	• Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	**Examination of body cavity fluids, transudates and exudates** • The laboratories tests used in CSF analysis • Examination of other body cavity fluids, transudates and exudates- sputum, wound discharge etc	• Lecture discussion • Demonstration	• Short answers • Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				• Analysis of gastric and duodenal contents • Analysis of semen-sperm count, mortality 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		
V	1	1	• Describe the laboratory tests for examination of Urine and faeces	**Urine and faeces** • Urine ❑ Physical characteristics ❑ Analysis ❑ Culture and sensitivity • Faeces ❑ Characteristics ❑ Stool examination: occult blood, ova, parasite and cyst, reducing substance etc. • Methods of collection for various tests, inference and normal values	• Lecture discussion • Demonstration	• Short answers • Objective type

Section B- Genetics

Placement: Second Year

Time: Theory- 15 Hours

Course Description:

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

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	• Explain nature, 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 Patterns of inheritance ❑ Mendalian theory of inheritance ❑ Multiple allots and blood groups ❑ Sex linked inheritance ❑ Mechanism of inheritance ❑ Errors in transmission (Mutation)	• Lecture discussion • Explain using chart, slides	• Short answers • Objective types
II	3	• Explain Maternal, prenatal and genetic influences on development of defects and diseases	**Maternal, prenatal and genetic influences on development of defects and diseases** • Conditions affecting the mother: genetic and infections • Consanguinity atopy • Prenatal nutrition and food allergies. • Maternal Age • Maternal drug therapy • Prenatal testing and diagnosis • Effect of Radiation, drugs and chemicals • Infertility • Spontaneous abortion • Neural Tube Defects and the role of folic acid in lowering the risks • Down syndrome (Trisomy 21)	• Lecture discussion • Explain using chart, slides	• Short answers • Objective types

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
III	2	• Explain the screening methods for genetic defects and diseases in neonates and children	**Genetic testing in the neonates and children** • Screening for ❑ Congenital abnormalities ❑ Developmental delay ❑ Dysmorphism	• Lecture discussion • Explain using chart, slides	• Short answers • Objective type
IV	2	• Identify genetic disorders in adolescents and adults	**Genetic testing in the adolescents and adults** • Cancer genetics- Familial Cancer • Inborn errors of metabolism • Blood group alleles and haematological disorder • Genetic haemochromatosis • Huntington's disease • Mental illness	• Lecture discussion • Explain using chart, slides	• Short answers • Objective type
V	5	• Describe the role of nurse in genetic services and counselling	**Services related to Genetics** • Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetic Counselling Legal and ethical issues Role of nurse	• Lecture discussion	• Short answers • Objective type

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS) – I

Placement: Second Year

Theory: 210 Hrs
Practical: 720 Hrs

Course Description:

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

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	• Appreciate the trends in medical and surgical nursing. • Describe the role of nurse in caring for adult patient in hospital and community • Describe the concepts of Medical Surgical asepsis	**Introduction:** • Introduction of medical surgical nursing- Evolution and trends of medical and surgical nursing • Review of Concepts of Health and illness Disease-concepts, causations, classification- International Classification Diseases (ICD- 10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness • Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process. • Role of Nurse, patient and family in care of adult patient • Role and responsibilities of a nurse in medical surgical settings: ❑ Outpatient department ❑ In- patient unit ❑ Intensive care unit ❑ Home and Community settings • Introduction to Medical Surgical asepsis ❑ Inflammation and Infection ❑ Immunity ❑ Wound healing • Care of Surgical Patient ❑ Pre- operative ❑ Intra operative ❑ Post Operative	• Lecture discussion • Demonstration • Practice session • Supervised clinical practice	• Short answers • Objective types • Assessment of skills with check list

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
II	15	• Describe the common signs, symptoms, problems and their specific nursing interventions	**Common signs and symptoms and management** • Fluid and electrolyte imbalance • Vomiting • Dyspnea and cough, respiratory obstruction • Fever • Shock • Unconsciousness, Syncope • Pain • Incontinence • Edema • Age related problems- geriatric	• Lecture discussion • Seminar • Case discussion	• 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	**Nursing management of patients (adults including elderly) with respiratory problems** • Review of anatomy and physiology of respiratory system • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with- ❑ Upper Respiratory tract infections ❑ Bronchitis ❑ Asthma ❑ Emphysema ❑ Empyema ❑ Atelectasis ❑ Chronic Obstructive Pulmonary Diseases (COPD) ❑ Bronchiectasis ❑ Pneumonia ❑ Pulmonary tuberculosis ❑ Lung abscess ❑ Pleural effusion ❑ Cysts and Tumours ❑ Chest injuries ❑ Respiratory arrest and insufficiency	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practicae 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)	Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ 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	**Nursing management of patients (adults including elderly) with digestive problems** • Review of anatomy and physiology of digestive system • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management • Disorders of ❑ Oral cavity- lips, gums, tongue, salivary glands and teeth ❑ Oesophagus-inflammation, structure, obstruction, bleeding and tunours ❑ Stomach and deudenum- hiatus hernia, gastritis, peptic and deudenal ulcer, bleeding tumours, pyloric stenosis ❑ Small intestinal disorders inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation ❑ Large intestinal dasiorders- Colitis, inflammation and infection, obstruction and tumour and lump ❑ Hernias ❑ Appendix-inflammation, mass, abscess, rupture ❑ Anal & Rectum; hermorrhoides, fissures, Fistulas ❑ Peritonitis/acute abdomen	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practicae 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)	Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Pancrease; inflammation, cyst, abscess, Tumours. ❑ Liver; inflammation, cyst, abscess cirrhosis, portal hypertention, hepatic failure tumours ❑ Gall Bladder; inflammation, obstruction, stones and tumours Special therapies, altenative therapies Nursing procedures Drugs used in treatment of disorders of digestive system		
V	30	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with blood and cardio vascular problems • Describe the vascular conditions and its nursing management	**Nursing management of patients (adults including elderly) with cardio vascular problems** • Review of anatomy and physiology of blood and cardio vascular system • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- • Vascular system ❑ Hypertension, Hypotension ❑ Artheriosclerosis ❑ Raynaud's disease ❑ Aneurism and Perpherial vascular disorders **Heart** • Coronary artery diseases ❑ Ischemic Heart Disease ❑ Cornory atherosclerosis ❑ Angina pertoris ❑ Myocardial infarction • Valvular disorders of the heart ❑ Congential and acquired ❑ Rheumatic Heart diseases • Endocarditis, Pericarditis Myocarditis	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practicae session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Visit to blood bank • Participation in blood donation camps • Counseling	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
			• Cardio Myopathitis • Cardiac dysrhythmias, Heart Block • Congestive cardiac failure ❑ Cor- pulmonale, pulmonary edema, cardiogenic shock, cardiac temponade • Cardiac emergencies and arrest • Cardio Pulmonary Resuscitation (CPR) • Blood ❑ Anaemias ❑ Polycythemia ❑ Bleeding disorders; clotting factor defects and platelets defects ❑ Thalassemia ❑ Leukaemias ❑ Leukopenias and agrenulocytosis ❑ Lymphomas ❑ Myelomas • Special therapies ❑ Blood transfusion, safety checks, procedure and requirements, management of advance transfusion reaction, records for blood transfusion. ❑ Management and counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee, Bio-safety and waste management in relation to blood transfusion ❑ Role of nurse in Organ donation, retrieval and banking Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders		

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
VI	10	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of genitor-urinary system	**Nursing management of patient (adults including elderly) with genitor-urinary problems** • Review of anatomy and physiology of genitor-urinary system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations. Diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of • Nephritis • Nephritic syndrome • Nephrosis • Renal calculus • Tumours • Acute renal failure • Chronic renal failure • End stage renal desease • Dialysis, renal transplant • Congenital disorders, urinary infections • Benign prostate hypertrophy • Disorders of ureter, inrinary bladder and urethera-inflammation, infection, structure, obstruction, tumour, prostrate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Genito-urinary disorders	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
VII	5	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients	**Nursing management if disorders of male(adults including elderly) reproductive system** • Review of anatomy and physiology of male reproductive system • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations. Diagnosis, treatment modalities and medical,	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
		(adult including elderly) with disorders of male reproductive system	surgical, dietetics & nursing management of disorders of male reproductive system • Congenital malformations; cryptorchidism • Hypospadiasis, Epispadiasis • Infections • Testis and adjacent structures • Penis • Prostate: inflammation, infection, hypertrophy, tumour • Sexual dysfunction • Infertility • Contraception • Brest; gynecomastia, tumour • Climacteric changes Special therapies, alternative therapiesNursing proceduresDrugs used in treatment of disorders of male reproductive system	• Health education • Supervised clinical practice • Drug book/ presentation	
VIII	10	• Describe the etiology, patho physiology, clinical anifestations, diagnostic measures and management of patients (adult including elderly) with disorders of male reproductive system disorders of male reproductive system	**Nursing management if disorders of male(adults including elderly) with disorders of endocrine system** • Review of anatomy and physiology of endocrine system • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations. Diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- ❑ Disorder of Thyroid and Parathyroid ❑ Diabetes mellitus ❑ Diabetes insipidus ❑ Adrenal tumour ❑ Pituitary disorders Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of endocrine system	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
IX	10	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of Skin	**Nursing management if disorders of male(adults including elderly) with disorders of Integumentary system** • Review of anatomy and physiology of Skin and its appendages • Nursing Assessment- History and Physical assessment\ • Etiology, Pathophysiology, clinical manifestations. Diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of skin and its appendages- ❑ Lesions and abrasions ❑ Infection and infestations; Dermititis ❑ Dermatoses; infectious and Non infectious "inflammatory dermatoses" ❑ Acne Vulgaris ❑ Allergies and Eczema ❑ Psoriasis ❑ Malignant melanoma ❑ Alopecia Special therapies, alternative therapiesNursing proceduresDrugs used in treatment of Integumentary system	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
X	15	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of musculo-skeletal system	**Nursing management if disorders of male(adults including elderly) with musculoskeletal problems** • Review of anatomy and physiology of musculoskeletal system, • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations. diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of • Disorders of: ❑ Muscles, Ligaments and Joints-inflammation, infection, trauma ❑ Bones-inflammation, infection, dislocation, fracture, tumour and trauma	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Osteomalacia and osteoporosis ❑ Arthritis ❑ Congenital deformities ❑ Spinal column- defects and deformities, Tumour, Prolapsed inter vertebral disc, pott's spine ❑ Paget's disease • Amputation • Prosthesis • Transplant & replacement surgeries • Rehabilitation Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Disorder of musculoskeletal system		
XI	10	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of Immunological system	**Nursing management if disorders of male(adults including elderly) with Immunological problems** • Review of immune system, • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations. diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- • Immunodeficiency disorder • Primary immune 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 safety precaution • Role of nurse; counseling • Health education and Home care consideration • National AIDS control program- NACO, various national and international agencies • Infection control program • Rehabilitation	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Orientation visit to Hospital Control system	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
			Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorder of immunological system		
XII	20	• Describe the etiology, pathophysiology, clinical manifestrations, diagnostic measure and management of patients (adult including elderly) with Communicable Diseases.	**Nursing management if disorders of male(adults including elderly) with Communicable Diseases** • Overview of infectious disease, the infectious process • Nursing Assessment-History and Physical Assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment , prevention and dietics, control and eradication of common Communicable Diseases- ❑ Tuberculosis ❑ Diarrhoeal diseases ❑ Hepatitis A-E ❑ Herpes ❑ Chickenpox ❑ Smallpox ❑ Typhoid ❑ Meningitis ❑ Gas gangrene ❑ Leprosy ❑ Dengue ❑ Plague ❑ Malaria ❑ Diptheria ❑ Pertussis ❑ Poliomyelitis ❑ Measles ❑ Mumps ❑ Influenza ❑ Tetanus ❑ Yellow fever ❑ Filariasis ❑ HIV, AIDS • Reproductive Tract Infections • Special Infection control measures: Notification, Isolation, Quarantine, Immunization, infectious Disease Hospitals	• Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
			Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable Diseases		
XIII	25	• Describe the Organization and physical setup of operation theatre • Identify the various instruments and equipments used for used for common surgical procedures • Describe the infection control measures in the Operation theatre • Describe the role of the nurse in the Peri Operative nursing care	**Peri operative Nursing:** • Organization and physical set up of the Operation Theatre (OT): ❑ Classifications ❑ OT DESIGN ❑ Staffing ❑ Members of the OT team ❑ Duties and responsibilities of nurse in OT ❑ Principles of Health and operating room attire ❑ Instruements, ❑ Sutures and suture materials ❑ Equipments ❑ O.T tables and sets for common surgical procedures ❑ Positions and draping for common surgical procedures ❑ Scrubbing procedures ❑ Gowning and gloving ❑ Preparations of OT sets ❑ Monitoring the patient during surgical procedures • Maintenance of therapeutic environment in OT • Standard safety measures ❑ Infection control; fumigation, disinfection and sterlisation ❑ Biochemical waste management ❑ Prevention of accidents and hazards in OT • Anaesthesia ❑ Types ❑ Methods of administration ❑ Effects and Stages ❑ Equipments ❑ Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects	• Demonstration • Practice session • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list

Medical Surgical Nursing (Adult Including Geriatrics-I) Practical

Time: 720 Hours

Placement: Second Year

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
General Medical Ward (*Respiratory, GI, Endocrine, Renal, Hemotology)	6	• Provide nursing care to adult patients with medical disorders • Counsel and educate patients and families	• Assessment of patient ❑ Taking history ❑ Perform general and specific physical examination ❑ Identify alterations and deviations • Practice medical surgical asepsis-Standard safety measures • Administer medications ❑ Oral, IV, IM, Subcutaneous • IV therapy ❑ IV canulation ❑ Maintenance and monitoring • Oxygen therapy by different methods • Nebulization • Chest physio therapy • Naso gastric feeding • Assist in common diagnostic • Perform/Assist in therapeutic procedures • Blood and component therapy • Throat Suctioning • Collect specimens for common investigations • Maintain elimination ❑ Catheterization ❑ Bowel wash ❑ Enema ❑ Urinary drainage • Maintain intake, output and documentation • Counsel and tech related to specific disease conditions	• Plan and give care to 3-4 assigned patients • Nursing care plan-2 • Nursing case study/ presentation-I • Drug presentation-I • Maintain drug book • Maintain Practical record book	• Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of practical records

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
General Surgical Ward (GI, Urinary, CTVS)	6	• Provide pre and post operative nursing care to adult patients with surgical disorders • Counsel and educate patients and families	• Practice medical surgical asepsis- Standard safety measures • Pre operative preparation of patients • Post operative care- Receiving pt, assessment, monitoring care • Care of wounds and drainage\suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care ❑ Gastrostomy ❑ Colostomy ❑ Enterostomy • Blood and component therapy • Practice universal precautions	• Plan and give care to 3-4 assigned patients • Nursing care plan-2 • Nursing case study/ presentation-I • Maintain drug book	• Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of activity records
Cardiology ward	2	• Provide nursing care to patients with musculoskeletal disorders • Counsel and educate patients and families	• Physical examination of the cardio vascular system Recording and interpreting ECG • Monitoring of patients • Preparation and assisting in non-invasive and invasive diagnostic procedures • Administer cardiac drugs • Cardio pulmonary Resuscitation • Tech patients and families • Practice medical and surgical aspesis- Standers safety measures	• Plan and give care to 3-4 assigned patients • Nursing care plan-2 • Nursing case study/ presentation-I • Maintain drug book	• Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of activity records
Skin & Communicable diseases Ward	1	• Identify skin problems • Provide nursing care to patients with Skin disorders & Communicable diseases • Counsel and educate patients and families	• Assessment of patients with skin disorders • Assist in diagnostic and therapeutic procedures • Administer topical medication • Practice medical surgical asepsis- Standard safety measures • Use of personal protective equipment (PPE) • Give medicated baths • Counseling HIV positive patients • Teach prevention of infectious diseases	• Plan and give care to 3-4 assigned patients • Health talk/ Counseling HIV positive patients and families-1 • Nursing case study/ presentation-I • Maintain drug book	• Assess performance with rating scale • Evaluation of case study/ presentation • Completion of activity records

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Orthopedic ward	2	• Provide nursing care to patients with musculoskeletal disorders • Counsel and educate patients and familie	• Assessment of orthopedic patients • Assist in application of plaster cast and removal of cast • Apply skin traction-buck's extension traction • Assist in application and removal of prosthesis • Physiotherapy- Range of motion exercises (ROM), muscle strengthening exercises • Crutch maneuvering technique. • Activities of daily living • Ambulation • Teach and counsel patients and families	• Plan and give care to 3-4 assigned patients • Nursing care plan-I • Nursing case study/ presentation-I • Maintain drug book	• Assess performance with rating scale • Evaluation of Nursing care plan and Nursing care study/ presentation-I • Completion of activity records
Operation Theatre	6	• Identify instruments used in common operations • Participate in infection control practices in the Operation Theatre • Set- up the table/ trolleys for Common operative procedures Assist in the operative procedures • Assist in giving anesthesia • Assist in the operative procedures • Provide peri operative nursing care	• Scrubbing, gowning, gloving • Identify instruments, suturing materials for common operations • Disinfection, Carbolization, fumigation • Preparation of instruments set for common operations • Sterilization of sharps and other instruements • Prepare the OT table depending upon the operation • Positioning and monitoring of patients • Edotracheal intubation • Assisting in minor and major operations • Handling specimens • Disposal of waste as per the guidelines	• Assist as a circulatory nurse in • Major cases-10 • Minor cases-5 • Assist as a scrub nurse in • Major cases-5 • Assist scrub nurse in • Major cases-10 • Minor cases-5 • Maintain drug book	• Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of activity records

Internship

Time: 260 Hours (9 weeks)

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
ICU, CCU, CARD I, AC OT	2	• To gain proficiency in ICU nursing • Develop advance skill in special procedures used in critical care unit. • Identify potential problems and provide accordingly. • Skill in setting and handeling ventilator • Administer injection in infusion pump • Record accurately findings and medications • Develop IPR with family members • Acquint with OT technique	• Assist in artificial 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	• Arterial puncture-5 • Taking out ECG stripe-5 • Tracheal suction-5 • For all assigned patients • Oxygen administration by CPAP mask and use Ambu bag • Assessment for all assigned patients • Nursing care in ventilator • Drug sheet	• Record book • Checking with supervisor
Neuro CU, ITU, OT	2	• Develop skill in neurological assessment • Give care to the pt with head injury and spinal injury • Care with chest surgery and cranial surgery	• Assess neurological status • Implement care to head injury spinal injury patients • Drug sheet • Pre and prostoperative care with neuro surgery patients	• Assessment for all assigned patients • Nursing care plan-2 • Drug sheet	• Record book • Observation checklist

Areas	Dura-tion (in weeks)	Objectives	Skills	Assignments	Assessment methods
Burns and plastic Recons-tructive surgery	2	• Assess the severity of burns. • Administer rehydration therapy • Observe reconstructive surgery	• Nursing care		
OT Laprос-copic Ortho-paedic Eye ENT	3	• Identify instuements • Assist in OT set UP • Supervise sterilization • Assist in OT table lay out • Observe immediately after operation • Supervise infection control		• Assist-5 cases	• Record book

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 concept and dimensions of health	**Introduction** • Community health nursing • Definition, concept and dimensions of health • Promotion of health • Maintenance of health	• Lecture • Discussion	• Short answers
II	20	• Describe determinants of health	**Determinants of health** • Eugenics • Environment: ❑ Physical: Air, Light, Ventilation, Water, Housing, Sanitation, disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: infrastructure facilities and Linkages ❑ Acts regulating the environment: National Pollution control board ❑ Bacterial & viral: Agents, host carriers and immunity ❑ Arthropods and Rodents • Food hygiene: Production, Preservation, Purchase, Preparation, Consumption • Acts regulating food hygiene- Prevention of food adulteration act, Drugs and cosmetic act • Socio- cultural ❑ Customs, taboos ❑ Marriage system ❑ Family structure	• Lecture discussion • Explain using Charts, graphs, Models, Films, Slides • Visits to water supply, sewage disposal, milk plants, slaughter house etc	• Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Status of special groups; Females, Children, elderly, challenged groups and sick persons • Life style • Hygiene • Physical activity ❑ Recreation and sleep ❑ Sexual life ❑ Spiritual life philosophy ❑ Self reliance ❑ Dietary pattern ❑ Education ❑ Occupation • Financial management ❑ Income ❑ Budget ❑ Purchasing power ❑ Security		
III	10	• Describe concept, scope, uses methods and approaches of epidemiology	**Epidemiology** • Definition, concept, aims, scope, uses and terminology used in epidemiology • Dynamics of disease transmission: epidemiological triad • Morbidity and mortality: measurements • Levels of prevention • Methods of epidemiology of ❑ Descriptive ❑ Analytical: Epidemic investigation ❑ Experimental	• Lecture discussion • Explain using Charts, graphs, • Models, Films, Slides	• Essay type • Short answers
IV	25	• Describe Epidemiology and nursing management of common Communicable diseases	**Epidemiology and nursing management of common Communicable Diseases** • Respiratory infections ❑ Small Pox ❑ Chicken Pox ❑ Measles ❑ Influenza ❑ Rubella ❑ ARI's & Pneumonia ❑ Mumps ❑ Diphtheria	• Lecture discussion • Explain using Charts, graphs, • Models, Films, Slides • Seminar • Supervised field practice-health centers, clinics and homes • Group projects/ Health education	• Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ Whooping cough ❑ Meaningococcal meningitis ❑ Tuberculosis ❑ SARS • Intestinal Infections ❑ Poliomyelitis ❑ Viral Hepatitis ❑ Cholera ❑ Diarrhoeal diseases ❑ Typhoid Fever ❑ Food poisoning ❑ Amoebiasis ❑ Dracunculiasis • Arthropod infections ❑ Dengue ❑ Malaria ❑ Filariasis • Zoonoses **Viral** ❑ Rabies ❑ Yellow fever ❑ Japanese encephalitis ❑ Kyasnur Forest Disease • Bacterial ❑ Brucellosis ❑ Plague ❑ Human Salmonellosis ❑ Anthrax ❑ Leptospirosis • Rickettsial diseases ❑ Rickettsial Zoonoses ❑ Scrub typhus ❑ Murine typhus ❑ Tick typhus ❑ Q fever • Parasitic zoonoses ❑ Taeniaisis ❑ Hydatid disease ❑ Leihmaniasis • Surface infection ❑ Trachoma ❑ Tetanus ❑ Leprosy ❑ STD & RTI ❑ Yaws ❑ HIV/AIDS Any other		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	10	• Describe Epidemiology and nursing management of common Non-Communicable diseases	**Epidemiology and Nursing management of Non-communicable diseases** • Malnutrition: under nutrition, over nutrition, nutritional deficiencies • Anaemia • Hypertension • Stroke • Rheumatic. Heart Diseases • Coronary Heart Diseases • Cancer • Diabetes mellitus • Blindness • Accidents • Mental illness • Obesity • Iodine Deficiency • Fluorosis • Epilepsy	• Lecture • Discussion • Explain using Charts, graphs, • Models, Films, Slides • Seminar • Supervised field practice-health centers, clinics and homes • Group projects/ Health education	• Essay type • Short answers • Objective type
VI	6	• Describe the concepts and scope of demography • Describe methods of data collection, analysis and interpretation of demog-raphic data	**Demography** • Definition, concept and scope • Methods of collection, analysis and interpretation of demographic data • Demographic rates and ratios	• Lecture • Discussion • Community identification survey	• Essay type • Short answers • Objective type • Assessment of Survey report
VII	17	• Identify the impact of population explosion in India • Describe methods of population control	**Population and its control** • Population explosion and its impact on social, economic development of individual, society 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 contraception	• Lecture • Discussion • Population survey • Counseling • Demonstration • Practice session • Supervised field practice	• Essay type • Short answers • Objective type • Assessment of Survey report

Community Health Nursing-I
Practical

Placement: Second Year

Time: Theory-90 hours

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	2 wks urban and 2 wks rural	• Build and Maintain rapport • Identify demographic characteristics, health determinants and community health resources • Diagnose health needs of individual and families • Provide primary care in health centre • Counsel and educate individual, family and comunity	• 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 vaccines and medications to adults • Counsel and teach individual, family and community ❑ Nutrition ❑ Hygiene ❑ Self health monitoring ❑ Seeking health services ❑ Healthy life style ❑ Family welfare methods ❑ Health promotion	• To 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 in rural)	• Assess clinical performance with rating scale • Assess each skill with checklist • Evaluation of family study, observation report and health talk • Completion of activity record

Communication & Educational Technology

Placement: Second Year

Time: Theory-90 hours

Course Description :

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	5		• Describe the communication process • Identify techniques of effective communication	**Review of Communication Process** • Process; elements and channel • Facilitators • Barriers and methods of overcoming • Techniques	• Lecture Discussion • Role plays • Exercises with audio/ video tapes	• Respond to critical incidents • Short answers • Objective type
II	5		• Establish effective inter-personal relations with patients, families & co-workers	**Interpersonal relations** • Purpose & types • Phases • Barriers & methods of overcoming • Johari window	• Lecture Discussion • Role plays • Exercises with audio/ video tapes • Process recording	• Short answers • Objective type
III	5		• Develop effective human relations in context of nursing	**Human relations** • Understanding self • Social behavior, motivation, social attitudes • Individual and groups • Groups & individual • Human relations in context of nursing • Group dynamics • Team work	• Lecture Discussion • Sociometry • Group games • Psychometric exercises followed by discussion	• Short answers • Objective type • Respond to test based on critical incidents
IV	10	5	• Develop basic skill of counseling and guidance	**Guidance & counselling** • Definition • Purpose, scope and need • Basic principles • Organization of counseling services	• Lecture Discussion • Role play on counseling in different situations followed by discussion	• Short answers • Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				• Types of counseling approaches • Role and preparation of counselor • Issues for counseling in nursing: students and practitioners • Counselling process- steps & techniques, tools of counselor • Managing disciplinary problems • Management of crisis & referral		• Assess performance in role play situations
V	5		• Describe the philosophy & principles of education • Explain the teaching learning process	**Principles of education & teaching learning process** • Education: meaning, philosophy, aims, functions & principles • Nature and characteristics of learning • Principles and maxims of teaching • Formulating objective; general and specific • Lesson planning • Classroom management	• Lecture Discussion • Prepare lesson plan • Micro teaching • Exercise on writing objectives	• Short Answer • Objective type • Assess lesson plans & teaching sessions
VI	10	10	• Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings	**Methods of teaching** • Lecture, demonstration, group discussion, seminar, symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching problem based learning, Self instructional module and simulation etc • Clinical teaching methods: case method, nursing round & reports, bedside clinic, conference (individual & group) process recording	• Lecture Discussion • Conduct 5 teaching sessions using different methods & media	• Short Answer • Objective type • Assess teaching sessions
VII	10	8	• Prepare and use different types of	**Education media** • Purpose & types of A.V Aids, principles and sources etc. • Graphic aids chalk board, chart,	• Lecture Discussion • Demonstration • Prepare different	• Short Answer • Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			education media effectively	graph, poster, flash cards, flannel graph, bulletin, cartoon • Three dimensional aids : objects, specimens, models, puppets • Printed aids pamphlets & leaflets • Projected aids: slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD • Audio aids: tape recorder, public address system • Computer	teaching aids - projected & non projected	• Assess the teaching aids prepared
VIII	5	7	• Prepare different types of questions for assess-ment of knowledge, skills and attitudes	**Assessment** • Purpose & scope of evaluation & assessment • Criteria for selection of assessment techniques and methods • Assessment of knowledge: essay type questions, Short answer questions (SAQ), Multiple choice questions (MCQ) • Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE) • Assessment of Attitudes: Attitudes scales	• Lecture Discussion • Exercise on writing different types of assessment tools	• Short Answer • Objective type • Assess the strategies used in practice teaching sessions and exercise sessions
IX	5		• Teach individuals, groups and communities about health with their active participation	**Information, Education & communication for health (IEC)** • Health behavior & health education • Planning for health education • Health education with individuals, groups & communities • Communicating health messages • Methods & media for communicating health messages • Using mass media	• Lecture Discussion • Plan & conduct health education sessions for individuals, group & communities	• Short Answer • Objective type • Assess the planning & conduct of the educational session

Third Year

Sl. No.	Subject	Assessment			
		Hours	Internal	External	Total
	Theory				
13.	Medical-Surgical Nursing-II	3	25	75	100
14.	Child Health Nursing	3	25	75	100
15.	Mental Health Nursing	3	25	75	100
	Practical & Viva Voce				
5.	Medical - Surgical Nursing-II		50	50	100
6.	Child Health Nursing		50	50	100
7.	Mental Health Nursing		50	50	100

Medical Surgical Nursing (Adult Including Geriatrics) – II

Placement: Third Year

Time: Theory - 120Hours
Practical - 270 Hours

Course Description :

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	• Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat	**Nursing management of patient with disorders of Ear Nose and Throat** • 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: ❑ External Ear- deformities, otalgia, foreign bodies and tumours. ❑ Middle Ear- Impacted wax, Tympanic membrance perforation, otitis media, otosclerosis, mastoiditis, tumours ❑ Inner ear- Meniere's Disease, labyrinthitis, ototoxicity, tumours ❑ Upper airway infections- Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsilitis and adenoiditis, peritonsilar abscess, laryngitis • Upper respiratory airway- epistaxis, • Nasal obstructions laryngeal obstruction, cancer of the larynx • Cancer of the oral cavity • Speech defects and speech therapy • Deafness-	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• 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 in Communicating with hearing impaired and muteness		
II	15	• Describe the etiology, patho physiology, clinical manifestations diagnostic measures and management of patientswith disorders of eye	**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 ❑ Cornea-inflammation and infection ❑ Lens-Cataracts ❑ Glaucoma ❑ Disorder of the uveal tract, ❑ Ocular tumours ❑ Disorders of posterior chamber and retina: Retinal and vitreous problems. ❑ Retinal detachment ❑ Ocular emergencies and their prevention • Blindness • National blindness control program ❑ Eye Banking ❑ Eye prostheses and Rehabilitation	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Visit to eye bank • Participation in eye-camps	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Role of a nurse-Communication with visually impaired patient, Eye camps Special therapies Nursing procedures Drugs used in treatment of disorders of eye		
III	16	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders	**Nursing management of patient with neurological disorders** • Review of anatomy and physiology of the neurological system • Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders • Congenital malformations • Headache Head injury • Spinal Injuries: ❑ Paraplegia ❑ Hemiplegia ❑ Quadriplegia • Spinal cord compression-herniation of intervertebral disc • Tumors of the brain & spinal cord • Intra cranial and cerebral aneurysms • Infections: ❑ Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders ❑ Chorea ❑ Seizures ❑ Epilepsies • Cerebro Vascular Accidents (CVA) • Cranial, Spinal Neuropathies- Bell's palsy, trigeminal neuralgia	• 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	• Essay type • Short answers • Objective types • Assessment of skills with check liwst • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• Peripheral neuropathies: Guillian Barr'e Syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative diseases ❑ Delirium ❑ Dementia ❑ Alzheimer's disease ❑ Parkinson's disease • Management of unconscious patients and patients with stroke • Role of the nurse in communicating with patient having neurological deficit • 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, patho-physiology, 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 of 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; Menorrhagia, Metrorrhagia	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussion/ 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
			• Pelvic Inflammatory Diseases • Ovarian and fallopian tube disorders; infections, cysts, tumour • Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumors, uterine displacement, Cystocele/ Urethrocele/Rectocele • Vaginal disorders; Infections and Discharges, Fistulas • Vulvur disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception; Types Methods, Risk and effectiveness ❑ Spacing Methods - Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods. etc ❑ Terminal methods - Sterilization • Emergency Contraception methods • Abortion-Natural, Medical and surgical abortion-MLTP Act • Toxic Shock Syndrome • Injuries and Trauma; Sexual violence Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme		
V	10	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and nursing	**Nursing management of patients with Burns, reconstructive and cosmetic surgery** • Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and Physical assessment and Assessment	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/	• Essay type • Short answers • Objective type • Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		management of patients with Burns, reconstructive and cosmetic surgery	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 ❑ Psycho social aspects Nursing procedures Drugs used treatment of Burns, reconstructive and cosmetic surgery	Seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Assessment of patient management problem
VI	10	• Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with oncological conditions	**Nursing management of patients with onocological conditions** • 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 onocological conditions • Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemia's and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc • Oncological emergencies	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• Modalities of treatment ❑ Immunotherapy ❑ Chemotherapy ❑ Radiotherapy ❑ Surgical Interventions ❑ Stem cell and Bone marrow transplants ❑ Gene therapy ❑ Other forms of treatment • Psychosocial aspects of cancer • Rehabilitation • Palliative care; symptom and pain management, nutritional support • Home care • Hospice care • Stomal Therapy • Special therapies ❑ Psycho social aspects • Nursing procedures		
VII	10	• Describe organization of emergency and disaster care services • Describe the role of nurse in disaster management • Describe the role of nurse in management of common Emergencies	**Nursing management of patient in EMERGENCY & DISASTER situations Disaster Nursing:** • Concepts and principles of Disaster Nursing • Causes and Types of Disaster: Natural and Man- made ❑ Earthquakes, Floods, Epidemics, Cyclones ❑ Fire, Explosion, Accidents ❑ Violence, Terrorism; biochemical, War • Policies related to emergency/ disaster management; International, national, state, institutional • Disaster preparedness: • Team, Guidelines, protocols, Equipments, Resources • Coordination and involvement of; community, various govt. departments, non-govt. organizations and International agencies • Role of nurse: working • Legal Aspects of Disaster Nursing	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Disaster management Drills • 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
			• Impact on Health and after effects; Post Traumatic Stress Disorder • Rehabilitation; physical, psychosocial, Financial, Relocation **Emergency Nursing** • Concept, priorities, principles and Scope of emergency nursing • Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse • Coordination and involvement of different departments and facilities • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency • Principles of emergency management • Common Emergencies; • Respiratory Emergencies • Cardiac Emergencies • Shock and 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		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VIII	10	• Explain the concept and problems of aging • Describe nursing care of the elderly	**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, genitor- urinary, gastrointestinal, • Neurological, Skin and other Sensory organs ❑ Psychosocial and Sexual ❑ Abuse of elderly • Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual • Role of nurse for caregivers of elderly • Role of family and formal and non formal caregivers • Use of aids and prosthesis (hearing aids, dentures) • Legal & ethical Issues • Provisions and Programmes for elderly; privileges, Community Programs and health services; • Home and institutional care	• 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 old age home	• Essay type • Short answer • Objective type • Assessment of skills with check list • Assessment of patient management problem
IX	10	• Describe organization of critical care units • Describe the role of nurse in	**Nursing management of patient in critical care units** • Nursing Assessment- History and Physical assessment • Classification • Principles of critical care nursing	• Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration	• Essay type • Short answer • Objective type • Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		management of patients critical care units	• Organization; Physical setup, Policies, staffing norms, • Protocols, equipments; sand supplies • Special equipments; ventilators, cardiac monitors, defibrillators, • Resuscitation equipments • Infection Control Protocols • Nursing management of critically ill patient; • Monitoring of critically ill patient • CPR- Advance Cardiac Life support • Treatments and procedure • Transitional care • Ethical and Legal Aspects • Communication with patient and family • Intensive care records • Crisis intervention • Death and Dying-coping with • Drugs used in critical care unit	• Role plays • Counseling • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation	• Assessment of patient management problem
X	8	• Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder	**Nursing management of patients adults including elderly with adults 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 and Geriatrics)-II Practical

Placement: Third Year

Time: Theory - 120Hours
Practical - 270 Hours
Internship - 430 Hours

Areas	Duration (in weeks)	Objectives of posting	Skills to be development	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 tracheostomy care • Teach patients and families	• Provide care to 2-3 assigned patients • Nursing care plan-1 • Observation report 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 report of OPD & Eye bank • Maintain drug book	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD • Completion of activity record
Neurology	2	• Provide care to patients with neurological disorders. • Counsel and educate patient and families	• Perform Neurological Examination • Use Glasgow Coma Scale • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients & families • Participate in rehabilitation program	• Provide care to 2-3 assigned patients with neurological disorders. • Case study/ Case presentation-1	• Assess each skill with checklist • Assess performance with rating scale • Evaluation case study & health teaching

Areas	Duration (in weeks)	Objectives of posting	Skills to be development	Assignments	Assessment methods
				• Maintain drug book • Health Teaching-1	• Completion of activity record
Gynecology ward	1	• Provide care to patients with gynecological disorders. • Counsel and educate patient and families	• Assist with gynecological Examination • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients families • Teaching self Breast Examination • Assist with PAP smear collection	• Provide care to 2-3 assigned patients • Nursing care plan-1 • Maintain drug book	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan • Completion of activity record
Burns Unit	1	• Provide care to patients with Burns. • Counsel and educate patient and families	• Assessment of the burns patient ❑ Percentage of burns ❑ Degree of burns • Fluid & electrolyte replacement therapy ❑ Assess ❑ Calculate ❑ Replace ❑ Record intake/ output • Care of Burn wounds ❑ Bathing ❑ Dressing • Perform active & passive exercises • Practice medical & surgical asepsis • Counsel & Teach patients and families • Participate in rehabilitation program	• Provide care to 1-2 assigned patients • Nursing care plan-1 • Observation report of Burns unit	• Assess each skill with checklist • Assess performance with rating scale • Evaluation of care plan and observation report • Completion of activity record
Onology 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	• Provide care to 2-3 assigned patients • Nursing care plan-1	• Assess each skill with checklist • Assess performance with rating scale

Areas	Dura-tion (in weeks)	Objectives of posting	Skills to be development	Assignments	Assessment methods
			• Breast examination • Assist with therapeutic procedures • Participates in various modalities of treatment ❑ Chemotherapy ❑ Radiotherapy ❑ Pain management ❑ Stoma therapy ❑ Hormonal therapy ❑ Immune therapy ❑ Gene therapy ❑ Alternative therapy • Participate in palliative care • Counsel and teach patients families ❑ Self Breast Examination ❑ Warning signs • Participate in rehabilitation program	• Observation report of Cancer unit	• Evaluation care plan and observation report • Completion of activity record
Critical Care Unit	2	• Provide care to critically ill patients • Counsel patient and families for grief and bereavement	• 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/ trolly- Crash Cart • Administration of drugs ❑ Infusion pump ❑ Epidural ❑ Intra thecal ❑ Intracardiac • Total parenteral therapy	• Provide care to 1 assigned patients • 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	Dura-tion (in weeks)	Objectives of posting	Skills to be development	Assignments	Assessment methods
			• Chest physiotherapy • Perform active & passive exercises • Counsel the patient and family in dealing with grieving and bereavement		
Casually Emergency	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

Time: 9 weeks

Areas	Duration (in weeks)	Objectives	Skills	Assessment
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	Assist with common operations		
Casualty/ Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

Child Health Nursing

Placement : Third Year

Time : Theory - 90 Hours
Practical - 270 Hours
Internship - 145 Hours

Course Description:

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	• Explain the modern concept of child care & principles of child health nursing • Describe national policy programs and legislation in relation to child health and welfare. • List major causes of death during infancy, early & late childhood • Describe the major functions and role of the pediatric nurse in caring for a hospitalized child • Describe the principles of child health nursing	**Introduction Modern concepts of child care** • Internationally accepted rights of the Child • National policy and legislations in relation to child health and welfare • National programmes related to child health and welfare • Agencies related to welfare services to the children • Changing trends in hospital care, preventive , promotive and curative aspects of child health • Child morbidity and mortality rates • Differences between adult and child • Hospital environment for a sick child • Impact of hospitalization on the child and family • Grief and bereavement • The role of a Child health nurse in caring for a hospitalized child • Principles of pre and post operative care of infants and children • Child health nursing procedures	• Lecture Discussion • Demonstration of common pediatric procedures	• Short answers • Objective type • Assessment of skills with checklist
II	20	• Describe the normal growth & development of children at different ages	**The healthy child** • Principles of growth and development • Factors affecting growth & development • Growth and development from birth to adolescence	• Lecture Discussion • Developmental study of infant and children	• Short answers • Objective type • Assessment of field visits

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		• 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 needs of normal children through the stages of development 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 pediatrics • Care of under five & under five clinics/ well baby clinic	• Observation study of normal and sick child • Field visit to Anganwadi, child guidance clinical • Film show on breast feeding • Clinical practice/ field	and develop-mental 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** • 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	• Lecture Discussion • Workshop in neonatal resuscitation • Demons-tration • Practice session • Clinical practice	• Short answers • Objective type • Assess-ment of skills with checklist
IV	10		**Integrated management of neonatal and childhood illnesses (IMNCI)**		
V	20	• Provide nursing care in common childhood diseases • Identify measures to prevent common childhood diseases including immunization	**Nursing management in common childhood diseases** • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestation and congenital disorders • Cardio vascular problems: congenital defects and rheumatic heart disease • Genito- urinary disorders: acute glomerulo nephritis, Nephrotic	• Lecture Discussion • Demons-tration • Practice session • Clinical practice	• Short answers • Objective type • Assess-ment of skills with checklist

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			syndrome, Wilms' tumor, infection and congenital disorders • Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina- bifida • Hematological disorders: Anemia's, thalassemia, ITP, Leukemia, hemophilia • Endocrine disorders: Juvenile Diabetes Mellitus • Orthopedic disorders: club feet, hip dislocation and fracture • Disorder 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		
VI	10	• Manage the child with behavioral & 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 • Assess-ment of field reports

Child Health Nursing- Practical

Placement : Third Year
Fourth Year

Time : Theory- 270Hours (9 weeks)
Internship- 145 Hours (3 weeks)

Areas	Duration (in weeks)	Objectives of posting	Skills to be development	Assignments	Assessment methods
Pediatric medicine ward	3	• Provide nursing care to children with various medical disorders • Counsel and educate parents	• Taking Pediatric History • Physical examination and assessment of children • Administer of Oral, I/M & IV medicine/ fluids • Calculation of fluid requirements • Prepare different strengths of I.V. fluids • Apply restraints • Administer O_2 inhalation by different methods • Give baby bath • Feed children by Katori spoon, etc • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers/ parents ❑ Malnutrition ❑ Oral rehydration therapy ❑ Feeding & weaning ❑ Immunization schedule ❑ Play therapy ❑ Specific Disease conditions	• Give care to three assigned pediatric patients • Nursing Care Plan-1 • Case study/ presentation-1 • Health Talk-1	• Assess clinical performance with rating scale • Assess each skill with checklist OSCE/OSPE • Evaluation of case study/ presentation and Health education session • Completion of activity record.
Pediatric Surgery Ward	3	• Recognize different pediatric surgical conditions/ malformations • Provide pre and post operative care to children with common pediatric conditions/ malformation	• Calculate, prepare and administer I/V fluids • Do bowel wash • Care for ostomies: ❑ Colostomy irrigation ❑ Ureterostomy ❑ Gastrostomy ❑ Enterostomy • Urinary catheterization and drainage • Feeding ❑ Naso- gastric ❑ Gastrostomy ❑ Jejunostomy • Care of surgical wounds	• Give care to three assigned pediatric surgical patients • Nursing care plan- 1 • Case study/ presentation- 1	• Assess clinical performance with rating scale • Assess each skill with checklist OSCE/OSPE • Evaluation of case study/ presentation • Completion of activity record

Areas	Dura-tion (in weeks)	Objectives of posting	Skills to be development	Assignments	Assessment methods
		• Counsel and educate parents	❑ Dressing ❑ Suture removal		
Pediatric OPD/ immuni-zation 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	• Develop-mental study-1	• Assess clinical performance with rating scale • Completion of activity record
Pediatric Medic-ine 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 1 • Observation report 1WEE	• Assess clinical performance with rating scale • Completion of activity record • Evaluation of observation report

Internship

Areas	Duration (in weeks)	Objectives	Skills	Assignments
Pediatric medicine wards/ ICU	1	• Provide comprehensive care to children with medical conditions	• Integrated Practice	• Assess clinical performance with rating scale
Pediatric Surgery wards/ ICU	1	• Provide comprehensive care to children with surgical conditions	• Integrated Practice	• Assess clinical performance with rating scale
NICU	1	• Provide intensive care to neonates	• Integrated Practice	• Assess clinical performance with rating scale

Mental Health Nursing

Placement: Third Year

Time: Theory-90 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
I	5	• Describe 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 • Discuss the scope of mental health nursing • Describe the concept of normal & abnormal behavior	**Introduction** • Perspective 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 behavior	• Lecture Discussion	• Objective type • Short answer • Assessment of the field visit reports
II	5	• Defines the various terms used in mental health Nursing • Explain the classification of mental disorders	**Principles and Concepts of Mental Health Nursing** • Definition: Mental Health Nursing and Terminology used • Classification of mental disorders: ICD • Review of personality development,	• Lecture Discussion • Explain using Charts • Review of personality development	• Essay type • Short answer • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		• Explain psycho dynamics of maladaptive behavior • Discuss the etiological factors, psychopathology of mental disorders • Explain the principles and standard of Mental Health Nursing • Describe the conceptual models of mental health nursing	defense mechanisms • Maladaptive behaviours of individuals and groups: stress, crisis and disaster (s) • Etiology: bio-psycho- social factors • Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neurotransmission • Principles of Mental Health Nursing • Standards of Mental Health Nursing Practice. • Conceptual models and the role of nurse: ❑ Existential Model ❑ Psycho-analytical models ❑ Behavioural model ❑ Interpersonal model		
III	8	• Describe nature, purpose and process of assessment of mental health status	**Assessment of mental health status** • History talking • Mental status examination • Mini mental status examination • Neurological examination: Review • Investigations: Related Blood chemistry, EEG, CT & MRI • Psychological tests Role and responsibilities of nurse	• Lecture discussion • Demonstration • Practice session • Practice session • Clinical practice	• Short answer • Objective type • Assessment of the skills with check list
IV	6	• Identify therapeutic communication techniques • Describe therapeutic relationship • Describe therapeutic impasse and its intervention	**Therapeutic communication and nurse- patient relationship** • Therapeutic communication: Types, techniques, characteristics • Types of relationship, • Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR- Johari Window • Goals, phases, tasks, therapeutic techniques • Therapeutic impasses and its intervention	• Lecture discussion • Demonstration • Role play • Process recording	• Short answer • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	14	• Explain treatment modalities and therapies used in mental disorders and role of the nurse	**Treatment modalities and therapies used in mental disorders** • Psycho Pharmacology • Psychological therapies: Therapeutic community, psycho therapy- Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioral, 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 answer • Objective type
VI	5	• Describe the etiology psycho-pathology, 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 duscussion • Case presentation • Clinical practice	• Essay type • Short answer • Assessment of patient management problems
VII	5	• Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders	**Nursing management of patient with mood disorders** • Moods disorders: Bipolar affective disorder, Mania depression and dysthamia etc • Etiology, psycho- pathology, clinical manifestations, diagnosis, • Nursing Assessment- History, Physical and mental assessment • Treatment modalities and nursing	• Lecture discussion • Case duscussion • Case presentation • Clinical practice	• Essay type • Short answer • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			management of patients with mood disorders • Geriatric consideration • Follow- up and home care and rehabilitation		
VIII	8	• Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	**Nursing management of patient with neurotic, stress related and somatization disorders** • Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder • Etiology, psycho- pathology, clinical manifestations, diagnosis • Nursing Assessment- History, Physical and mental assessment • Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders • Geriatric considerations • Follow- up and home care and rehabilitation	• Lecture discussion • Case duscussion • Case presentation • Clinical practice	• Essay type • Short answer • Assessment of patient management problems
IX	5	• Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	**Nursing management of patient with substance use disorders** • Commonly used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal • Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, • Nursing Assessment- History, Physical, mental assessment and drug assay • Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders	• Lecture discussion • Case duscussion • Case presentation • Clinical practice	• Essay type • Short answer • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• Geriatric considerations • Follow- up and home care and rehabilitation		
X	4	• Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders	**Nursing management of patient with Personality, Sexual and Eating disorders** • 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	• Lecture discussion • Case duscussion • Case presentation • Clinical practice	• Essay type • Short answer • Assessment of patient management problems
XI	6	• Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	**Nursing management of childhood and adolescent disorders including mental deficiency** • Classification • Etiology, psycho- pathology, characteristics, diagnosis Nursing Assessment- History, Physical, mental and IQ assessment • Treatment modalities and nursing management of nursing management of childhood disorders including mental deficiency • Follow- up and home care and rehabilitation	• Lecture discussion • Case duscussion • Case presentation • Clinical practice	• Essay type • Short answer • Assessment of patient management problems
XII	5	• Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and	**Nursing management of organic brain disorder** • Classification: ICD • Etiology, psycho- pathology, clinical features, diagnosis and Differential diagnosis (Parkinson's and Alzheimer's)	• Lecture discussion • Case duscussion • Case presentation • Clinical practice	• Short answer • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		management of organic brain disorders	• 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		
XIII	6	• Identify psychiatric emergencies and carry out crises 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 counseling • Types of crises • Crises Intervention: Principles, Techniques and Process • Geriatric considerations • Role and rerponsibilities of nurse	• Lecture discussion • Demonstration • Practice session • Clinical practice	• Short answer • Objective type
XIV	4	• Explain legal aspects applied in mental health settings and role of the nurse	**Legal issues in Mental Health Nursing** • 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 narcotics and psychotropic substances and illegal drug trafficking • Admission and discharge procedures Role and responsibilities of nurse	• Lecture discussion • Case duscussion	• Short answer • Objective type
XV	4	• Describe the model of preventive psychiatry	**Community Mental Health Nursing** • Development of Community Mental Health Services:	• Lecture discussion • Clinical\field practice	• Short answer • Objective type • Assessment of patient

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		• Describe Community Mental health services and nurse	• 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.	• Field visits to mental health service agencies	management problems

Mental Health Nursing - Practical

Placement : Third Year
Fourth Year

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

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Psychiatric OPD/	1	• Assessment 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 exami-nation- 2 • Health education- 1 • Observation report of OPD	• Assess performance with rating scale • Assessment each skills 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 signification others	• Case work-I • 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 • Assist in	• History taking • Perform mental status examination (MSE) • Perform Neurological examination • Assist in psychometric • Record therapeutic communication • Administer medications	• Give care to 2-3 patients with various mental disorders • Case study- 1 • Care plan- 2 • Clinical presenta-	• Assess performance with rating scale • Assess each skill with checklist • Evaluation of the case

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
		various therapies • Counsel and educate patients, families and significant other	• Assist in Electro- convulsive Therapy (ECT) • Participate in all therapies • Prepare patients for Activities of Daily living (ADL) • Conduct admission and discharge counseling • Counsel and teach patients and families	tion 1 • Process recording 2 • Maintain drug book	study, care plan, clinical presentation, process recording • Completion of activity record
Community Psychiatry	1	• Ti 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 • Assist in mental health camps and clinics • Counsel and Teach family members, patients and community	• Case work- 1 • Observation report in field visits	• Assess performance with rating scale • Evaluation of case work and observation report • Completion of activity record

Internship

Areas	Duration (in weeks)	Objectives	Skills	Assignments
Psychiatry ward	2 weeks	• Provide comprehensive care to patients with mental health problems	• Integrated Practice	• Assess clinical performance with rating scale

Fourth Year

Sl. No.	Subject	Assessment			
		Hours	Internal	External	Total
	Theory				
16.	Midwifery and Obstetrical nursing	3	25	75	100
17.	Child Health Nursing-II	3	25	75	100
18.	Nursing Research & Statistics	3	25	75	100
19.	Management of Nursing Services and education	3	25	75	100
	Practical & Viva Voce				
8.	Midwifery and Obstetrical nursing	3	50	50	100
9.	Community Health Nursing-II	3	50	50	100

Midwifery and Obstetrical Nursing

Placement: Third 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 women 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	• Recognize the trends and issues in midwifery and obstetrical nursing	**Introduction of 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	• Lecture discussion • Explain using Charts and graphs	• 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-	• Lecture discussion • Review with Charts and models	• Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			external genitalia, internal genital organs and their anatomical relations, musculature- blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. • 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 cord, ❑ Foetal circulation, foetal skull, bones, sutures and measurements • Review of Genetics		
III	8	• Describe the diagnosis and management of women during antenatal period	**Assessment and management of pregnancy (ante-natal)** • 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 ❑ Objective ❑ Assessment	• Lecture discussion • Demonstration • Case discussion/ presentation • Health talk • Practice session • Counseling session • Supervised Clinical practice	• Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			- History and physical examination - Antenatal Examination - Signs of previous child-birth ❑ Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position ❑ Per vaginal examination • Screening and assessment for high risk; • Risk approach • History and Physical Examination • Modalities of diagnosis; Invasive & Non- Invasive, ultrasonics, cardio tomography, NST, CST • Antenatal preparation ❑ Antenatal counseling ❑ Antenatal exercises ❑ 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	• Describe the physiology and stages of labour • Describe the management of women during intranatal period	**Assessment and management of intra- natal period.** • Physiology of labour, mechanism of labour • Management of labour ❑ First stage - Signs and symptoms of onset of labour; normal and abnormal - Duration - Preparation of:	• Lecture discussion • Demonstration • Case discussion/ presentation • Simulated practice • Supervised • Clinical practice	• Essay type • Short answers • Objective types • Assessment of skills with check list • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VIII	5		✓ Labour room ✓ Woman - Assessment and observation of woman in labour; partogram- maternal and foetal monitoring - Active management of labour, Induction of labour - Pain relief and confort 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		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	5	• Describe the physiology of puerperium • Describe the management of women during postnatal period	**Assessment and management of women during post natal period.** • Normal puerperium; Physiology Duration • Postnatal assessment and management ❑ Promoting physical and emotional well- being ❑ Lactation management ❑ Immunization • Family dynamics after child- birth • Family welfare services; methods, counseling • Follow- up • Records and reports	• Lecture discussion • Demonstration • Health talk • Practice Session • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assessment of skills with check list • Assessment 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 types • 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 ❑ Ultrasonic's, cardiotocography, NST, CST, non- invasive & invasive, ❑ Newer modalities of diagnosis • High- risk approach • Levels of care, primary, secondary and tertiary levels • Disorders of pregnancy	• Lecture discussion • Demonstration using video films, scan reports, partograph etc • Case discussion/ presentation • Health talk • Practice Session • Supervised • Clinical practice	• Essay type • Short answers • Objective types • Assessment of skills with check list • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			❑ 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 ❑ Gynaecological diseases complicating pregnancy ❑ Pregnancy induced hypertension & diabetes, Toxaemia of pregnancy, hydramnios, ❑ Rh incompatibility ❑ 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	• Describe management of abnormal labour • And obstetrical emergencies	**Abnormal Labour- assessment and management** • Disorder 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 prolapsed of cord, Vasa praevia, amniotic	• Lecture discussion • Demonstration • Case discussion/ presentation • Practice Session • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assessment of skills with check list • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			fluid embolism, rupture of uterus, shoulder dystocia, obstetrical 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		
IX	4	• Describe management of post natal complications	**Abnormalities during Postnatal Periods** • Assessment and management of women with postnatal complications ❑ Puerperal infections, breast engorgement & infections, UTI, thrombo- Embolic disorders, postpartum haemorrhage, Eclampsia and subinvolution, ❑ Psychological complications: - Post partum Blues - Post Partum Depression - Post partum Psychosis	• Lecture discussion • Demonstration • Case discussion/ presentation • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assessment of skills with check list • 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 • Organization and management of neonatal intensive care units • Infection control in intensive care units • Maintenance of reports and records	• Lecture discussion • Demonstration • Case discussion/ presentation • Supervised Clinical practice	• Essay type • Short answers • Objective types • Assessment of skills with check list • Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 • Effects 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 types
XII	10	• Appreciate the importance of family welfare programme • Describe the methods of contraception and role of nurse in family welfare programme	**Family Welfare Programme** • 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. Safe motherhood • 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 volantary organisations • Role of nurse in family welfare programme • Training/ supervision/ Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional Birth Attendant- Dai)	• Lecture discussion • Demonstration • Practice session • Supervised practice • Group project • Counseling session • Field visits	• Essay type • Short answers • Objective types • Assessment of skills with check list, project and field visits reports

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 case book recording
Labour room O.T.	4	• Assess women in labour • Carry out per-vaginal examinations • Conduct normal deliveries • Perform episiotomy and suture it • Resuscitate newborns • Assist with Caesarean Sections,	• Assessment of Women in labour • Pervaginal examinations and interpretation • Monitoring and caring of women in labour • Maintenance of partograph • Conduct normal delivery • New born assessment and immediate care • Resuscitation of newborns • Assessment of risk status of newborn • Episiotomy and 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	• *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 • Assist MTP and other surgical procedures-2 • Case book recordings	• Assessment of clinical performance with rating scale • Assessment of each skill with checklists • Completion of Case book recordings

Areas	Dura-tion (in weeks)	Objectives	Skills	Assignments	Assessment methods
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 • Baby bath • Immunization • Teaching postnatal mother: ❑ Mother craft ❑ Post natal care & ❑ Exercises ❑ Immunization	• *Give care to Post natal mothers- 20 • Health talks-1 • Case study • Case presentation- 1 • Case book recordings	• Assessment of clinical performance • Assessment of each skill with checklists • Completion of Case book recording • Evaluation of case study and presentation and health education sessions
New-born nursery	2	• Provide nursing care to newborn at risk	• Newborn assessment • Admission of neonates • Feeding of at risk neonates ❑ 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 procedures • Assisting with exchange transfusion • Care of baby on ventilator • Phototherapy • Infection control protocols in the nursery • Teaching and counseling of parents • Maintenance of neonatal records	• Case study • Observation Study-1	• Assessment of clinical performance • Assessment of each skill with checklists • Evaluation of and observation study
Family Planning clinic	Rotation from post	Counsel for and provide family welfare services	• Counseling technique • Insertion of IUD • Teaching on use of family	• ***IUD insertion-5**	• Assessment of each skill with checklists

Areas	Dura-tion (in weeks)	Objectives	Skills	Assignments	Assessment methods
	n a t a l ward 1 week		planning methods • Arrange for and Assist with family planning operations • Maintenance of records and reports	• Observation Study- 1 • Counseling- 2 • Simulation exercise on recording and reporting- 1	• Evaluation of and observation study

- Essential Requirements for registration as midwife
  - * Antenatal examination - 30
  - * Conducting normal deliveries in hospital/home/health centre - 20
  - * Vaginal examination - 5
  - * Episiotomy and suturing - 5
  - * Neonatal resuscitation - 5
  - * Assist with Caesarean Section - 2
  - * Witness/ Assist abnormal deliveries - 5
  - * Postnatal cases nursed in hospital/home/health centre - 20
  - * Insertion of IUD - 5

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

Internship Obstetrical Nursing

Internship Duration : 5 weeks

Areas	Dura-tion (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 recording	• Assess clinical performance with rating scale • Completion of case book recordings
Neonatal intensive care unit/ NICU	1				
Antenatal	2				

Community Health Nursing-II

Placement : Fourth Year

Time : Theory- 90 Hours
Practical- 135Hours

Course Description :

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	• Define concepts, scope, principles and historical development of Community Health and community health Nursing	**Introduction** • Definition, concept & scope of Community Health and Community Health Nursing • Historical development of ❑ Community health ❑ Community health Nursing - Pre- independence - Post- independence	• Lecture discussion	• Essay type • Short answers
II	6	• Describe health plans, policies, various health committees and health problems in India	**Health planning and policies and problems** • 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) ❑ National population policy • Health problems in India	• Lecture discussion • Panel discussion	• Essay type • Short answers
III	15	• Describe the system of delivery of community health services in rural and urban areas	**Delivery of community health services** • Planning, budgeting and material management of SCs, PHC and CHC • **Rural:** Organization, staffing and functions of rural health services	• Lecture discussion • Visits to various health delivery systems • Supervised field practice • Panel discussion	• Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		• List the functions of various levels and their staffing pattern • Explain the components of health services • Describe alternative systems of health promotion and health maintenance • Describe the chain of referral system	provided by government at: ❑ Village ❑ Sub centre ❑ Primary health centre ❑ Community health center/ sub divisional ❑ Hospitals ❑ District ❑ State ❑ Centre • **Urban:** Organization, staffing and functions of urban health services provided by government at: ❑ 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, child adoption act ❑ Family Welfare ❑ National health programmes ❑ School health services ❑ Occupational health ❑ Defence services ❑ Institutional services • Systems of medicine and health care ❑ 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 responsibilities of Community health nursing personnel	**Community health nursing approaches, concepts and roles and responsibilities of nursing personnel** • 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: ❑ Equitable distribution ❑ Community participation ❑ Focus on prevention ❑ Use of appropriate technology ❑ Multi- sectoral approach • Roles and responsibilities of Community Health Nursing personnel in ❑ Family health services ❑ Information Education Communication (IEC) ❑ Management information System (MIS): maintenance of Records & reports ❑ Training and supervision of categories of health workers ❑ National Health Programmes ❑ Environment sanitation ❑ Maternal and child health and Family welfare ❑ Treatment of Minor ailment ❑ School Health services ❑ Occupational Health ❑ Organization of clinics, camps: Types, Preparation, planning, conduct and evaluation ❑ Waste management in the center, clinics etc • Home visit: Concept, Principles, Process, Techniques: Bag technique home visit	• Lecture • Discussion • Demonstration • Practice session • Supervised field practice • Participatioon in camps • Group Project	• Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			• Qualities of Community Health Nurse • Job Description on Community health nursing personnel		
V	25	• Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health	**Assisting individuals and groups to promote and maintain their health** • Empowerment for self care of individuals, families and groups in- **A. Assessment of self and family** ❑ 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 **B. Health services for** ❑ Routine checkup ❑ Immunization ❑ Counseling ❑ Diagnosis ❑ Treatment ❑ Follow up **C. Maintenance of health records for self and family** **D. Continue medical care and follow up in community for various diseases and disabilities** **E. Carry out therapeutic procedures as prescribed/ required for self and family**	• Lecture discussion • Demonstration • Practice session • Supervised field practice • Individual/group/ family/community health education	• **Essay type** • **Short answers**

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			F. Waste Management • Collection and disposable of waste at home and community **G. Sensitize and handle social issues affecting health and development for self and family** • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse **H. Utilize community resources for self and family** ❑ Trauma services ❑ Old age homes ❑ Orphanage ❑ Homes for physically and mentally challenged individuals ❑ Homes for destitute		
VI	20	• Describe national health and family welfare programmes and role of a nurse • Describe the various health schemes in India	**National health and family welfare programmes and the role of a nurse** 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 7) National AIDS control programme 8) STD control programme 9) National programme for control of blindness 10) Iodine deficiency disorder programme	• Lecture • Discussion • Participation in national health programme • Field visits	• Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			11) Expanded programme on immunization 12) National Family Welfare Programme- RCH Programme historical development, organization, 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 ❑ ESI ❑ CGHS ❑ Health insurance		
VII	5	• Explain the roles and functions of various national and international health agencies	• **Health Agencies International** - WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red Cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc **National** - Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India Women's conference, Blind Association of India etc	• Lecture • Discussion • Field visits	• Essay type • Short answers

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 week for urban 4 week 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 programs • Organize group for self help and involve clients in their own health activities • Provide family welfare services • Counsel and educate individual, family and community • Collect Vital health statistics • Maintain Records & reports	• Community health survey • Community diagnosis • Family care: Home adaptation of common procedure • Home visit: Bag technique • Organize and conduct clinics- antenatal, post natal, well baby clinic, camps etc • Screen manage and referrals for: ❑ High risk mothers and neonates ❑ Accidents and emergencies ❑ Illnesses: Physical and mental ❑ Disabilities • Conduct delivery at center/ home: episiotomy and suturing • Resuscitate newborn • School Health programme ❑ Screen, manage, refer children • Collaborate with health and allied agencies • Train and Supervise health workers • Provide family welfare services: insertion of IUD • Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly'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,	• Community survey report- 1 • Family care study- 1 • Project- 1 • Health talk-1 • Case book recording	• Assess clinical performance with rating scale • Evaluation of survey report, family care study, project and health talk • Completion of case book recording

Placement : Internship

Time : 4 weeks

Areas	Duration (in weeks)	Objectives	Skills	Assignments
Urban	4 weeks	• Provide comprehensive care to individual, family and community	• Integrated Practice and group project-1 in each rural and urban	• Assess clinical performance with rating scale • Evaluation of project

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

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	• Describe the concept of research, terms, need and areas of research in nursing. • Explain the steps of research process	**Research and research process** • Introduction and need for nursing research • Definition of Research & nursing research • Steps of scientific method • Characteristics of good research • Steps of Research process- overview	• Lecture Discussion • Narrate steps of research process followed from examples of published studies	• Short answers • Objective type
II	3	• Identify and state the research problem and objectives	**Research Problem/ Question** • Identification of problem area • Problem statement • Criteria of a good research problem • Writing objectives	• Lecture Discussion • Exercise in writing statement of problem and objectives	• Short answers • Objective type
III	3	• Review the related literature	**Review of Literature** • Location • Sources • On line search: CINHAL, COCHRANE etc • Purposes • Method of review	• Lecture Discussion • Exercise on reviewing one research report/ article for a selected research problem • Prepare annotated bibliography	• Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	4	• Describe the approaches and designs	**Research approaches and designs** • Historical, survey and experimental • Qualitative and Quantitative designs	• Lecture Discussion • Explain types of research approaches used from examples of published and unpublished research studies with rationale	• Short answers • Objective type
V	8	• Explain the sampling process • Describe the methods of data collection	**Sampling and data collection** • 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	• Lecture Discussion • Reading assignment on examples of data collection tools • Preparation of sample data collection tool • Conduct group research project	• Short answers • Objective type
VI	4	• Analyze Interpret and summarize the research data	**Analysis of data:** • Compilation, Tabulation classification, summarization, presentation, interpretation of data	• Lecture Discussion • Preparation of sample tables	• Short answers • Objective type
VII	15	• Explain the use of statistics, scales of measurement and graphical presentation of data • Describe the	**Introduction to statistics** • Definition, use of statistics, scale of measurement • Frequency of distribution and graphical presentation of data • Mean, Median, Mode, Standard deviation • Normal Probability and tests of significance	• Lecture discussion • Practice on graphical presentations • Practice on computation of measures of central tendency,	• Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		measure of central tendency and variability and methods of correlation	• Co- efficient of correlation • Statistical packages and its application	variability & correlation	
VIII	4	• Communicate and utilize the research findings	**Communication and utilization of Research** • Communication of research findings ❑ Verbal report ❑ Writing research report ❑ Writing scientific article/ paper - Critical review of published research - Utilization of research findings	• Lecture Discussion • Read/ Presentation of a sample published/ unpublished research report • Writing group research project	• Short answers • Short answers • Oral presentation • Assessment of group research Project

Management of Nursing Services and Education

Placement: Fourth Year

Time: Theory- 90Hours

Course Description :

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	4		• Explain the principles and functions of management	**Introduction to management in nursing** • Definition, concepts and theories • Functions of management • Principles of Management • Role of Nurse as Manager	• Lecture discussion • Explain using organization chart	• Short answers
II	5		• Describe the elements and process of management	**Management Process** • Planning; mission, philosophy, objective, operational plan • Staffing: philosophy, staffing study, norms, activities, patient classfication systems, scheduling • Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc • Budgeting: concept, principles, types, cost benefit analysis, audit • Material management: equipment and supplies • Directing process (Leading) • Controlling: Quality management • Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart),	• Lecture discussion • Simulated Exercises • Case studies	• Essay type • Short answers
III	8	20	• Describe the management of nursing services in the	**Management of nursing services in the hospital and community** • Planning: ❑ Hospital and patient care units including ward management	• Lecture Discussion • Demonstration • Simulated Exercises	• Essay type • Short answers • Assessment of problem

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			hospital and Community	❑ Emergency and disaster management • Human resources management: ❑ Recruiting, selecting, deployment, retaining, promoting, superannuation etc ❑ Categories of nursing personnel including job description of all levels ❑ Patient/ population assignment and Nursing care responsibilities ❑ Staff development and welfare • Budgeting: proposal, projecting requirements for staff, equipments and supplies for ❑ Hospital and parent care units ❑ Emergency and disaster management • Material Management; procurement, inventory control, auditing and maintenance in ❑ Hospital and patient care units ❑ Emergency and disaster management • Directing and leading: delegation, participatory management ❑ Assignments, rotations, delegations ❑ Supervision & guidance ❑ Implement Standards, policies, procedures and practices ❑ Staff development and welfare ❑ Maintenances of discipline • Controlling/ Evaluation: ❑ Nursing Rounds/ Visits, Nursing Protocols, Manuals ❑ Quality Assurance Model, documentation ❑ Records and reports ❑ Performance appraisal	• Case studies • Supervised practice in ward-writing indents, preparing duty roaster, ward supervised • Assignment on duties and responsibilities of ward sister • Writing report	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
	Th.	Pr.				
IV	5		• Describe the concepts, theories and techniques of Organizational behavior and human relations	**Organizational behavior and human relations** • Concepts and theories of organizational behaviors • Review of channels of communication • Leadership styles • Review of Motivation; concepts and theories • Group dynamics • Techniques of ; ❑ Communication and ❑ Interpersonal relationship ❑ 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 the planning and organizing in service education program	**In service education** • 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 educational session for in service nursing personnel	• Short answers • Objective type • Assess the planning & conduct of the educational session
VI	10		• Describe management of Nursing educational institutions	**Management of nursing educational institutions** • Establishment of Nursing educational institution-INC norms and guidelines • Co-ordination with ❑ Regulatory bodies ❑ Accreditation ❑ Affiliation - Philosophy/objectives	• Lecture Discussion • Role plays • Counseling session • Group Exercises	• Essay type • Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				- Organization ❑ Structure ❑ Committees - Physical facilities ❑ College/School ❑ Hostel - Students o Selection o Admission o Guidance and Counseling o Maintaning discipline\ - Faculty and staff ❑ Selection ❑ Recruitment ❑ Job description ❑ Placement ❑ Performance appraised ❑ Development and welfare • Budgeting • Equipments and supplies : audio visual equipment, laboratory equipment, books, journals etc. • Curriculum: Planning implementation and evaluation • Clinical facilities • Transport facilities • Institutional Records and reports- administrative, faculty, staff and students.		
VII	10		• 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, ICN	• Lecture Discussion • Case disussion • Panel discussion • Role plays • Critical incidents • Visit to INC/ SNRCs	• Short answers • Assessment of critical incidents

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				❑ 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, Brench and penalities ❑ Malpractice and negligence		
VIII	3		• Explain the various opportunities for professional advancement	**Professional Advancement :** • Continuing education • Career Opportunities • Collective bargaining • Membership with Professional organizations, National and International • Participation in research activities • Publications, Journals, newspapers etc.	• Lecture Discussion • Review/ Presentation of published articles • Group work on maintenance of bulletin board	• Short answers