

M.J.P. ROHILKHAND UNIVERSITY

BAREILLY

B.Sc. Nursing Syllabus

(As per Indian Nursing Council (INC), New Delhi)

Duration

ORGANIZATION OF PROGRAMME

- Academic year will be from 1ST October to 30TH September of every year.
- Course Duration : 4 years.
- Weeks available per year :52 weeks.
- Vacation : 8 weeks.
- Gazette 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(37x40hours)

Course Of Instruction

Sl. No.	Subject	Theory hrs.	Practical hrs		Other hrs	Total
			Lab	Clinical		
FIRST YEAR						
1	ENGLISH	60				60
2	ANATOMY	60				60
3	PHYSIOLOGY	60				60
4	NUTRITION	60				60
5	BIOCHEMISTRY	30				30
6	NURSING FOUNDATION	265	200	450		915
7	PSYCHOLOGY	60				60
8	MICROBIOLOGY	60				60
9	INTRODUCTION TO COMPUTERS	45				45
10	HINDI/REGIONAL LANGUAGE	30				30
11	LIBRARY WORK/.STUDY				50	
12	CO-CURRICULAR ACTIVITIES				50	
	TOTAL	730	200	450	100	1480

SECOND YEAR						
1	SOCIOLOGY	60				60
2	PHARMACOLOGY	45				45
3	PATHOLOGY	30				30
4	GENETICS	15				15
5	MEDICAL SURGICAL NURSING-I	210		720		930
6	COMMUNITY HEALTH NURSING-I	90		135		225
7	COMMUNICATION & EDUCATION TECHNOLOGY	60	30			90
8	LIBRARY WORK/STUDY				50	50
9	CO-CURRICULAR ACTIVITIES				35	35
	TOTAL	510	30	855	85	1480
THIRD YEAR						
1	MEDICAL SURGICAL NURSING-II	120		270		390
2	CHILD HEALTH NURSING	90		270		360
3	MENTAL HEALTH NURSING	90		270		360
4	NURSING RESEARCH AND STATISTICS	45				45
5	LIBRARY WORK/STUDY				50	50
6	CO-CURRICULAR ACTIVITIES				50	50
	TOTAL	345		810	100	1255
FOURTH YEAR						
1	MIDWIDERY & OBSTETRIC NURSING	90		360		450
2	COMMUNITY HEALTH NURSING-II	90		135		225
3	MANAGEMENT OF NURSING SERVICES & EDUCATION	60	30			90
	TOTAL	240	30	495		765

INTERN-SHIP (INTEGRATED PRACTICE)						
1	MIDWIFERY & OBSTETRICAL NURSING			240		240
2	COMMUNITY HEALTH NURSING-II			195		195
3	MEDICAL SURGICAL NURSING (ADULT & PEDIATRIC)			430		430
4	CHILD HEALTH NURSING			145		145
5	MENTAL HEALTH NURSING			95		95
6	RESEARCH PROJECT			45		45
	TOTAL			1150		1150

SCHEME

Sl.No.	Year	Subject	Annual Exam	Internal Exam	Total	Min. Pass Marks	
		THEORY					
1	FIRST YEAR	ANATOMY AND PHYSIOLOGY	75	25	100	50	
2		NUTRITION & BIOCHEMISTRY	45+30	15+10	100	50	
3		NURSING FOUNDATION	75	25	100	50	
4		PSYCHOLOGY	75	25	100	50	
5		MICROBIOLOGY	75	25	100	50	
6		ENGLISH	50	-	50	40	
7		INTRODUCTION TO COMPUTER	50	-	50	50	
			PRACTICAL & VIVA				
1		NURSING FOUNDATION	100	100	200	100	
		THEORY					
1	SECOND YEAR	SOCIOLOGY	75	25	100	50	
2		MEDICAL SURGICAL NURSING-I	75	25	100	50	
3		PHARMACOLOGY, PATHOLOGY, GENETICS	38+25+12	12+8+5	100	50	
4		COMMUNITY HEALTH NURSING-I	75	25	100	50	
5		COMMUNICATION & EDUCATION TECHNOLOGY	75	25	100	50	
			PRACTICAL & VIVA				
1			MEDICAL SURGICAL NURSING-I	100	100	200	100
		THEORY					
1	THIRD YEAR	MEDICAL SURGICAL NURSING-II	75	25	100	50	
2		CHILD HEALTH NURSING	75	25	100	50	
3		MENTAL HEALTH NURSING	75	25	100	50	
4		NURSING RESEARCH & STATISTICS	75	25	100	50	
			PRACTICAL & VIVA				
1			MEDICAL SURGICAL NURSING-II	50	50	100	50
2			CHILD HEALTH NURSING	50	50	100	50
3			MENTAL HEALTH NURSING	50	50	100	50
		THEORY					
1	FOURTH YEAR	MIDWIFERY & OBSTETRICAL NURSING	75	25	100	50	
2		COMMUNITY HEALTH NURSING-II	75	25	100	50	
3		MANAGEMENT OF NURSING SERVICES & EDUCATION	75	25	100	50	
			PRACTICAL & VIVA				
1			MIDWIFERY & OBSTETRICAL NURSING	50	50	100	50
2			COMMUNITY HEALTH NURSING-II	50	50	100	50

B.Sc. NURSING PAPER CODE LIST

B.Sc. nursing I year			
SUBJECTS		Theory	Practical
1.	Anatomy and physiology	15501	
2.	Nutrition and biochemistry	15502	
3.	Nursing foundation	15503	
4.	Psychology	15504	
5.	Microbiology	15505	
6.	English	15506	
7.	Introduction to Computer**	15507	
8.	Nursing foundation practical		70095
B.Sc. nursing II year			
SUBJECTS		Theory	Practical
1.	Sociology	15508	
2.	Medical surgical nursing- I	15509	
3.	Pharmacology, pathology, genetics	15510	
4.	Community health nursing –I	15511	
5.	Communication and education technology	15512	
6.	Medical surgical nursing (p)		70096
B.Sc. nursing III year			
SUBJECTS		Theory	Practical
1.	Medical surgical nursing - II	15513	
2.	Child health nursing	15514	
3.	Mental health nursing	15515	
4.	Nursing Research And Statistics	15520	
5.	Medical surgical nursing – II		70097
6.	Child health nursing		70098
7.	Mental health nursing		70099
B.Sc. nursing IV year			
SUBJECTS		Theory	Practical
1.	Midwifery and obstetric nursing	15516	
2.	Community health nursing	15517	
3.	Management of nursing services and education	15519	
4.	Midwifery and obstetric nursing practical		70101
5.	Community health nursing- II practical		70100

English

Placement – First Year

Time: Theory - 60 hours

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

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

10

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

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Anatomy

Placement– First Year

Time: Theory - 60 hours

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

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

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

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	5	<ul style="list-style-type: none"> Describe the structure & functions of respiratory system 	The Respiratory System <ul style="list-style-type: none"> Structure of the organs of respiration Muscles of respiration: Intercostals and Diaphragm Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VIII	6	<ul style="list-style-type: none"> Describe the structure & functions of digestive system 	The Digestive System <ul style="list-style-type: none"> Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
IX	4	<ul style="list-style-type: none"> Describe the structure & functions of excretory system 	The Excretory System (Urinary) <ul style="list-style-type: none"> Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
X	4	<ul style="list-style-type: none"> Describe the structure & functions of endocrine system 	The Endocrine System <ul style="list-style-type: none"> Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, Torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
XI	4	<ul style="list-style-type: none"> Describe the structure and functions of reproductive system 	The Reproductive system including breast <ul style="list-style-type: none"> Structure of female reproductive organs Structure of male reproductive organs. Structure of breast Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, Torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

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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	<ul style="list-style-type: none"> Describe the physiology of cell, tissues, membranes and glands 	Cell Physiology <ul style="list-style-type: none"> Tissue-formation, repair Membranes & glands – functions Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answer questions Objective type
II	4	<ul style="list-style-type: none"> Describe the bone formation and growth and movements of skeleton system 	Skeletal System <ul style="list-style-type: none"> Bone formation & growth Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing Joints and joint movement Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models and films Demonstration of joint movements 	<ul style="list-style-type: none"> Short answer questions Objective type
III	4	<ul style="list-style-type: none"> Describe the muscle movements and tone and demonstrate muscle contraction and tone 	Muscular System <ul style="list-style-type: none"> Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models slides, specimen and films Demonstration of muscle movements, tone and contraction 	<ul style="list-style-type: none"> Short answer questions Objective type
IV	7	<ul style="list-style-type: none"> Describe the physiology of nerve-stimulus, reflexes, brain, cranial and spinal nerves Demonstrate reflex action and stimulus 	Nervous System <ul style="list-style-type: none"> Functions of Neurologia & neurons Stimulus & nerve-impulse-definitions and mechanism Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid-Composition, circulation and function Reflex arc, Reflex action and reflexes 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models and films Demonstrate nerve stimulus, reflex action, reflexes 	<ul style="list-style-type: none"> Short answer questions Objective type

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Nutrition

SUB CODE: 15502

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	Evaluation
	Th.	Pr.				
I	4		<ul style="list-style-type: none"> Describe the relationship between nutrition & Health. 	<p>Introduction</p> <ul style="list-style-type: none"> Nutrition: <ul style="list-style-type: none"> History <ul style="list-style-type: none"> □ 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 <p>Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer- pesticide problems, water logging, salinity, case studies.</p>	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts Panel discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	2		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates 	<p>Carbohydrates</p> <ul style="list-style-type: none"> Classification Caloric value Recommended daily allowances Dietary sources. Functions Digestion, absorption and storage, metabolism of carbohydrates Malnutrition: Deficiencies and Over consumption 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type

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

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unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Evaluation
	Th.	Pr.				
VII	4		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals 	Minerals <ul style="list-style-type: none"> Classification Recommended daily allowances Dietary sources. Functions. Absorption, synthesis, metabolism storage and excretion Deficiencies Over consumption and toxicity 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
VIII	3		<ul style="list-style-type: none"> Describe the sources, functions and requirements of Water & electrolytes 	Water & electrolytes <ul style="list-style-type: none"> Water: Daily requirement, regulation of water metabolism, distribution of body water, Electrolytes: Types, sources, composition of body fluids Maintenance of fluid & electrolyte balance Overhydration, dehydration and water intoxication Electrolyte imbalances 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
IX	5	15	<ul style="list-style-type: none"> Describe the Cookery rules and preservation of nutrients Prepare and serve simple beverages and different types of foods 	Cookery rules and preservation of nutrients <ul style="list-style-type: none"> Principles, methods of cooking and serving Preservation of nutrients Safe Food handling-toxicity Storage of food Food preservation, food additives and its principles Prevention of food adulteration Act(PFA) Food standards Preparation of simple beverages and different types of food 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice session 	<ul style="list-style-type: none"> Short answers Objective type Assessment of practice sessions
X	7	5	<ul style="list-style-type: none"> Describe and plan balanced diet for 	Balanced diet <ul style="list-style-type: none"> Elements Food groups Recommended Daily 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Evaluation
	Th.	Pr.				
			different categories of people	Allowance • Nutritive value of foods • Calculation of balanced diet for different categories of people • Planning menu • Budgeting of food • Introduction to therapeutic diets: Naturopathy—Diet	• Practice session • Meal planning	• Exercise on menu planning
XI	4		• Describe various national programmes related to nutrition • Describe the role of nurse in assessment of nutritional status and nutrition education	Role of nurse in nutritional programmes • National programmes related to nutrition <ul style="list-style-type: none"> o Vitamin A deficiency o National iodine deficiency disorders (IDD) programme o Mid-day meal programme o Integrated child development scheme (ICDS) • National and International agencies working towards food/nutrition <ul style="list-style-type: none"> o NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc • Assessment of nutritional status • Nutrition education and role of nurse	• Lecture • Discussion • Explaining with • Slide film shown • Demonstration of Assessment of nutritional status	• Short answers • Objective type

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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)	Objective	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> Describe the structure Composition and functions of cell Differentiate between Prokaryote and Eukaryote cell Identify techniques of Microscopy 	Introduction <ul style="list-style-type: none"> Definition and significance in nursing Review of structure, Composition and functions of cell Prokaryote and Eukaryote cell organization Microscopy 	<ul style="list-style-type: none"> Lecture discussion using charts, slides Demonstrate use of microscope 	<ul style="list-style-type: none"> Short answer questions Objective type
II	6	<ul style="list-style-type: none"> Describe the Structure and functions of Cell membrane 	Structure and functions of Cell membrane <ul style="list-style-type: none"> Fluid mosaic model tight junction, Cytoskeleton Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump Acid base balance-maintenance & diagnostic tests <ul style="list-style-type: none"> □ PH buffers 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answer questions Objective type
III	6	<ul style="list-style-type: none"> Explain the metabolism of carbohydrates 	Composition and metabolism of Carbohydrates <ul style="list-style-type: none"> Types, structure, composition and uses <ul style="list-style-type: none"> □ Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides 	<ul style="list-style-type: none"> Lecture discussion Demonstration of blood glucose monitoring 	<ul style="list-style-type: none"> Short answer questions Objective type

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Unit	Time (Hrs)	Objective	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Metabolism <ul style="list-style-type: none"> □ Pathways of glucose: <ul style="list-style-type: none"> - Glycolysis - Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle - Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) □ Regulation of blood glucose level Investigations and their interpretations 		
IV	4	<ul style="list-style-type: none"> • Explain the metabolism of Lipids 	<p>Composition and metabolism of Lipids</p> <ul style="list-style-type: none"> • Types, structure, composition and uses of fatty acids <ul style="list-style-type: none"> □ Nomenclature, Roles and Prostaglandins • Metabolism of fatty acid <ul style="list-style-type: none"> □ Breakdown □ Synthesis • Metabolism of triacylglycerols • Cholesterol metabolism <ul style="list-style-type: none"> □ Biosynthesis and its Regulation <ul style="list-style-type: none"> - Bile salts and bilirubin - Vitamin D - Steroid hormones • Lipoproteins and their functions: <ul style="list-style-type: none"> □ VLDLs, IDLs, LDLs and HDLs □ Transport of lipids □ Atherosclerosis, Investigations and their interpretations 	<ul style="list-style-type: none"> • Lecture • Discussion using charts • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answer questions • Objective type
V	6	<ul style="list-style-type: none"> • Explain the metabolism of Amino acids and Proteins 	<p>Composition and metabolism of Amino acids and Proteins</p> <ul style="list-style-type: none"> • Types, structure, composition and uses of Amino acids and Proteins • Metabolism of Amino acids and Proteins <ul style="list-style-type: none"> □ Protein synthesis, targeting and glycosylation □ Chromatography 	<ul style="list-style-type: none"> • Lecture • Discussion using charts • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answer questions • Objective type

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Unit	Time (Hrs)	Objective	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> □ Electrophoresis □ Sequencing • Metabolism of Nitrogen □ Fixation and Assimilation □ Urea Cycle □ Hemes and chlorophylls • Enzymes and co-enzymes □ Classification □ Properties □ Kinetics and inhibition □ Control Investigations and their interpretations		
VI	2	<ul style="list-style-type: none"> • Describe types, composition and utilization of Vitamins & minerals 	Composition of Vitamins and minerals <ul style="list-style-type: none"> • Vitamins and minerals: □ Structure □ Classification □ Properties □ Absorption □ Storage & transportation □ Normal concentration Investigations and their interpretations	<ul style="list-style-type: none"> • Lecture Discussion using charts • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answer questions • Objective type
VII	3	<ul style="list-style-type: none"> • Describe Immuno-chemistry 	Immunochemistry <ul style="list-style-type: none"> • Immune response, • Structure and classification of immunoglobins • Mechanism of antibody production • Antigens: HLA typing. • Free radical and Antioxidants. • Specialised Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein. • Electrophoretic and Quantitative determination of immunoglobins – ELISA etc. Investigations and their interpretations	<ul style="list-style-type: none"> • Lecture discussion • Demonstrate laboratory tests 	<ul style="list-style-type: none"> • Short answer questions • Objective type

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Nursing Foundations

Placement: First Year

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

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

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		nurses in India	<ul style="list-style-type: none"> □ Functions of nurse □ 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: <ul style="list-style-type: none"> □ Definition and Ethical Principles □ Code of ethics and professional conduct for nurses 		
III	4	<ul style="list-style-type: none"> • Explain the admission and discharge procedure • Performs admission and discharge procedure 	Hospital admission and discharge <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> □ Unit and its preparation-admission bed □ Admission procedure □ Special considerations □ Medico-legal issues □ Roles and Responsibilities of the nurse • Discharge from the hospital <ul style="list-style-type: none"> □ Types: Planned discharge, LAMA and abscond, Referrals and transfers □ Discharge Planning □ Discharge procedure □ Special considerations □ Medico-legal issues □ Roles and Responsibilities of the nurse □ Care of the unit after discharge 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab Practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess skills with check list • Clinical practical examination
IV	10	<ul style="list-style-type: none"> • Communicate effectively with patient, families and team members and maintain effective 	Communication and Nurse patient relationship <ul style="list-style-type: none"> • Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication □ Methods of Effective Communication, 	<ul style="list-style-type: none"> • Lecture discussion • Role play and video film on the nurses interacting with the patient • Practice session 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Planning <ul style="list-style-type: none"> - Establishing Priorities - Establishing Goals and Expected Outcomes, - Selection of interventions: Protocols and standing Orders - Writing the Nursing Care Plan □ Implementation <ul style="list-style-type: none"> - Implementing the plan of care □ Evaluation <ul style="list-style-type: none"> - Outcome of care - Review and Modify □ Documentation and Reporting 		
VI	4	<ul style="list-style-type: none"> • Describe the purposes, types and techniques of recording and reporting 	Documentation and Reporting <ul style="list-style-type: none"> • Documentation: Purposes of Recording and reporting • Communication within the Health Care Team, • Types of records; ward records, medical/nursing records, • Common Record-keeping forms, Computerized documentation • Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, Organization, confidentiality • Methods of Recording, • Reporting: Change-of shift reports; Transfer reports, Incident reports • Minimizing legal Liability through effective record keeping 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice Session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type
VII	15	<ul style="list-style-type: none"> • Describe principles and techniques of monitoring and maintaining vital signs • Monitor and maintain vital signs 	Vital signs <ul style="list-style-type: none"> • Guidelines for taking vital signs: • Body temperature: <ul style="list-style-type: none"> □ Physiology, Regulation, Factors affecting body temperature, □ Assessment of body temperature: sites, equipments and technique, special 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess with check list and clinical

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> considerations □ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia □ Hot and cold applications • Pulse: <ul style="list-style-type: none"> □ Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse □ Assessment of pulse: sites, location, equipments and technique, special considerations □ Alterations in pulse: • Respiration: <ul style="list-style-type: none"> □ Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration □ Assessment of respirations: technique, special considerations □ Alterations in respiration • Blood pressure: <ul style="list-style-type: none"> □ Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure □ Assessment of blood pressure: sites, equipments and technique, special considerations □ Alterations in blood pressure • Recording of vital signs 		practical examination
VIII	30	<ul style="list-style-type: none"> • Describe purpose and process of health assessment • Describe the health assessment of each body system 	Health assessment <ul style="list-style-type: none"> • Purposes • Process of Health assessment <ul style="list-style-type: none"> □ Health history □ Physical examination: <ul style="list-style-type: none"> - Methods- Inspection, Palpation, Percussion, Auscultation, Olfaction - Preparation for examination: patient and unit 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice on simulators • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> Perform health assessment of each body system 	<ul style="list-style-type: none"> General assessment Assessment of each body system Recording of health assessment 		
IX	5	<ul style="list-style-type: none"> Identifies the various machinery, equipment and linen and their care 	Machinery, Equipment and linen <ul style="list-style-type: none"> Types: Disposables and reusables- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction : <ul style="list-style-type: none"> □ Indent □ Maintenance □ Inventory 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answers Objective type
X	60	<ul style="list-style-type: none"> Describe the basic, physiological and psychosocial needs of patient Describe the principles and techniques for meeting basic, Physiological and psychosocial needs of patient Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient 	Meeting needs of patient <ul style="list-style-type: none"> Basic needs (Activities of daily living) <ul style="list-style-type: none"> □ Providing safe and clean environment: <ul style="list-style-type: none"> Physical -environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control Reduction of Physical hazards: fire, accidents Safety devices: Restraints, side rails, airways, trapez etc Role of nurse in providing safe and clean environment □ Hygiene: - <ul style="list-style-type: none"> Factors Influencing Hygienic Practice Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose □ Assessment, Principles, Types, Equipments, Procedure, Special Considerations Patient environment: Room Equipment and linen, making patient beds 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice sessions Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical examination

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

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

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> - - Base Imbalances: assessment, types, equipment, procedure and special considerations o Measuring fluid intake and output o Correcting Fluid, Electrolyte Imbalance: <ul style="list-style-type: none"> √ 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 <ul style="list-style-type: none"> o Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving o Assessment of psychosocial needs o Nursing intervention for psychosocial needs <ul style="list-style-type: none"> - Assist with coping and adaptation - Creating therapeutic environment o Recreational and diversional therapies 		
XI	20	<ul style="list-style-type: none"> • Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical 	Infection control in Clinical settings <ul style="list-style-type: none"> • Infection control <ul style="list-style-type: none"> o Nature of infection o Chain of infection transmission o Defenses against infection: natural and acquired o Hospital acquired infection (Nosocomial infection) 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised Clinical practice 	

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> Administer drugs by the following routes-oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous, topical, inhalation 	<ul style="list-style-type: none"> Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions, Factors Influencing drug Actions, Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions. Converting Measurements - Units: Conversion within one system, Conversion between systems, Dosage Calculation, Terminologies and abbreviations used in prescriptions of medications Oral Drugs Administration: Oral, Sublingual and Buccal: Equipment, procedure Parenteral <ul style="list-style-type: none"> General principles: decontamination and disposal of syringes and needles Types of parenteral therapies Types of syringes, needles, canula, and infusion sets Protection from Needlestick Injuries : Giving Medications with a safety syringes Routes of parenteral therapies <ul style="list-style-type: none"> Intradermal: purpose, site, equipment, procedure, special considerations Subcutaneous: purpose, site, equipment, procedure, special considerations Intramuscular : purpose, site, equipment, procedure, special considerations Intra Venous: purpose,site, equipment, procedure, special considerations Advanced techniques. 		

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intraarterial- Role of nurse <ul style="list-style-type: none"> • Topical Administration: purposes, site, equipment, procedure, special considerations for <ul style="list-style-type: none"> □ Application to Skin □ Application to mucous membrane <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> □ Recording and reporting of medications administered 		
XIII	10	<ul style="list-style-type: none"> • Describe the pre and post operative care of patients • Explain the process of wound healing • Explain the principles and techniques of wound care 	Meeting needs of Perioperative patients <ul style="list-style-type: none"> • Definition and concept of Perioperative Nursing • Preoperative Phase <ul style="list-style-type: none"> □ Preparation of patient for surgery • Intraoperative <ul style="list-style-type: none"> □ Operation theatre Set up and environment □ Role of nurse • Postoperative Phase 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess with check list and clinical practical examination

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> Perform care of wounds 	<ul style="list-style-type: none"> Recovery unit Post operative unit Postoperative care, Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing Surgical asepsis Care of the wound: types, equipments, procedure and special considerations Dressings, Suture Care, Care of Drainage Application of Bandages, Binders, Splints & Slings Heat and Cold Therapy 		
XIV	15	<ul style="list-style-type: none"> Explain care of patients having alterations in body functioning 	<p>Meeting special needs of the patient</p> <ul style="list-style-type: none"> Care of patients having alteration in <ul style="list-style-type: none"> Temperature (hyper and hypothermia); Types, Assessment, Management Sensorium (Unconsciousness); Assessment, Management Urinary Elimination (retention and incontinence); Assessment, Management Functioning of sensory organs: (Visual & hearing impairment) Assessment of Self-Care ability Communication Methods and special considerations Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations Mental state (mentally challenged), assessment of Self-Care ability; 	<ul style="list-style-type: none"> Lecture discussion Case discussions Supervised clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type

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

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

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Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> Communicate effectively with patient, families and team members and Maintain effective human relations Develops plan for patient teaching Prepare patient reports Presents reports Monitor vital signs Perform health assessment of each body system 	<p>Communication</p> <ul style="list-style-type: none"> Use verbal and non verbal communication techniques <p>Prepare a plan for patient teaching session</p> <p>Write patient report</p> <ul style="list-style-type: none"> Change-of shift reports, Transfer reports, Incident reports etc. Presents patient report <p>Vital signs</p> <ul style="list-style-type: none"> Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure <p>Health assessment</p> <ul style="list-style-type: none"> Health history taking Perform assessment: <ul style="list-style-type: none"> □ General □ Body systems Use various methods of physical examination Inspection, Palpation, Percussion, Auscultation, Olfaction Identification of system wise deviations 	<ul style="list-style-type: none"> Role-plays in simulated situations on communication techniques-1 Health talk-1 Write nurses notes and present the patient report of 2-3 assigned patient Lab practice Measure Vital signs of assigned patient 	<ul style="list-style-type: none"> Assess role plays with the checklist on communication techniques Assess health talk with the checklist Assessment of communication techniques by rating scale Assessment of performance with rating scale Assessment of each skill with checklist Completion of activity record

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Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> Provide basic nursing care to patients 	<p>Prepare Patient's unit:</p> <ul style="list-style-type: none"> Prepare beds: <ul style="list-style-type: none"> Open, closed, occupied, operation, amputation, Cardiac, fracture, burn, Divided, & Fowlers bed Pain assessment and provision for comfort <p>Use comfort devices</p> <p>Hygienic care:</p> <ul style="list-style-type: none"> Oral hygiene: Baths and care of pressure points Hair wash, Pediculosis treatment <p>Feeding :</p> <ul style="list-style-type: none"> Oral, Enteral, Naso/Orogastric, gastrostomy and Parenteral feeding Naso-gastric insertion, suction, and irrigation <p>Assisting patient in urinary elimination</p> <ul style="list-style-type: none"> Provides urinal/bed pan Condom drainage Perineal care Catheterization Care of urinary drainage <p>Bladder irrigation</p> <p>Assisting bowel Elimination:</p> <ul style="list-style-type: none"> Insertion of Flatus tube Enemas Insertion of Suppository <p>Bowel wash</p> <p>Body Alignment and Mobility:</p> <ul style="list-style-type: none"> Range of motion exercises Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg positon 	<ul style="list-style-type: none"> Practice in lab & hospital Simulated exercise on CPR manikin 	<ul style="list-style-type: none"> Assessment of each skill with rating scale Completion of activity record

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Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
			<input type="checkbox"/> Assist patient in Moving, lifting, transferring, walking <input type="checkbox"/> Restraints Oxygen administration Suctioning: oropharyngeal, nasopharyngeal Chest physiotherapy and postural drainage Care of Chest drainage CPR- Basic life support Intravenous therapy Blood and blood component therapy Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids Perform lab tests: <ul style="list-style-type: none"> • 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		

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Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> Perform infection control procedures Provide care to pre and post operative patients Perform procedures for care of wounds 	<p>Recreational and diversional therapies</p> <p>Caring of patient with alteration in sensorium</p> <p>Infection control</p> <ul style="list-style-type: none"> Perform following procedures: <ul style="list-style-type: none"> Hand washing techniques (Simple, hand antiseptics and surgical antiseptics (scrub) Prepare isolation unit in lab/ward Practice technique of wearing and removing Personal protective equipment (PPE) Practice Standard safety precautions (Universal precautions) <p>Decontamination of equipment and unit: -</p> <ul style="list-style-type: none"> Surgical asepsis: <ul style="list-style-type: none"> Sterilization Handling sterilized equipment Calculate strengths of lotions, Prepare lotions. Care of articles <p>Pre and post operative care:</p> <ul style="list-style-type: none"> Skin preparations for surgery: Local Preparation of Post operative unit Pre & post operative teaching and counseling Pre and post operative monitoring Care of the wound: 	<ul style="list-style-type: none"> Observation study -2 Department of Infection control & CSSD Visits CSSD write observation report 1 Collection of samples for culture Do clinical posting in infection control department and write report Practice in lab/ward 	<ul style="list-style-type: none"> Assess observation study with checklist Evaluate all procedures with checklist

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

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Psychology

Placement: First year

Time: Theory 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
I	2	<ul style="list-style-type: none"> Describe the history, scope and methods of psychology 	Introduction: <ul style="list-style-type: none"> History and origin of science of psychology Definitions & Scope of Psychology Relevance to nursing Methods of Psychology 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
II	4	<ul style="list-style-type: none"> Explain the biology of Human behaviour 	Biology of behaviour <ul style="list-style-type: none"> Body mind relationship- modulation process in health and illness Genetics and behaviour: Heredity and environment Brain and behaviour: Nervous System, Neurons and synapse, Association Cortex, Rt and Lt Hemispheres Psychology of Sensations Muscular and glandular controls of behaviour Nature of behaviour of an organism/Integrated responses 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
III	20	<ul style="list-style-type: none"> Describe various cognitive processes and their applications 	Cognitive processes <ul style="list-style-type: none"> Attention: Types, determinants, Duration & degree, alterations Perception: Meaning, Principles, factors affecting, Errors, Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits Memory: Meaning, Types, Nature, Factors influencing, Development, Theories and methods of memorizing and Forgetting 	<ul style="list-style-type: none"> Lecture Discussion Psychometric assessment Practice sessions 	<ul style="list-style-type: none"> Essay type Short answers

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Describe motivation, emotions, stress, attitudes and their influence on behaviour 	Motivation and Emotional Processes: <ul style="list-style-type: none"> Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution Emotions & stress <ul style="list-style-type: none"> Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness Stress: stressors, cycle, effect, adaptation & coping Attitude: Meaning, nature, development, factors affecting, <ul style="list-style-type: none"> Behaviour and attitudes Attitudinal change Psychometric assessments of emotions and attitudes Alterations in emotions Applications 	<ul style="list-style-type: none"> Lecture Discussion Role plays Case Discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answers
V	7	<ul style="list-style-type: none"> Explain the concepts of personality and its influence on behaviour 	Personality <ul style="list-style-type: none"> Definitions, topography, types, Theories Psychometric assessments of personality 	<ul style="list-style-type: none"> Lecture Discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answers

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> Alterations in personality Applications 		
VI	7	<ul style="list-style-type: none"> Describe psychology of people during the life cycle 	Developmental Psychology <ul style="list-style-type: none"> Psychology of people at different ages from infancy to old age Psychology of vulnerable individuals- challenged, women, sick, etc. Psychology of groups 	<ul style="list-style-type: none"> Lecture Discussion Case Discussion 	<ul style="list-style-type: none"> Essay type Short answers
VII	8	<ul style="list-style-type: none"> Describe the characteristics of Mentally healthy person Explain ego defence mechanisms 	Mental hygiene and mental Health <ul style="list-style-type: none"> Concepts of mental hygiene and mental health Characteristics of mentally healthy person Warning signs of poor mental health Promotive and Preventive mental health-strategies and services Ego Defence mechanisms and implications Personal and social adjustments Guidance and counselling Role of nurse 	<ul style="list-style-type: none"> Lecture Discussion Case Discussion Role play Demonstration 	<ul style="list-style-type: none"> Essay type Short answers
VIII	4	<ul style="list-style-type: none"> Explain the Psychological assessments and role of nurse 	Psychological assessment & tests <ul style="list-style-type: none"> Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice sessions 	<ul style="list-style-type: none"> Assessment of practice

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SUB CODE: 15505

Microbiology

Placement: First Year

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

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

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

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			control programme	<ul style="list-style-type: none"> • Chemotherapy and antibiotics • Standard safety measures • Biomedical waste management • Role of Nurse • Hospital acquired infection • Hospital infection control programme <ul style="list-style-type: none"> □ 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	<ul style="list-style-type: none"> • Describe the different disease producing organisms 	Pathogenic organisms <ul style="list-style-type: none"> • Micro-organisms <ul style="list-style-type: none"> □ Cocci – gram positive and gram negative □ bacilli– gram positive and gram negative □ Spirochaete □ Mycoplasma □ Rickettsiae □ Chlamydiae • Viruses • Fungi -Superficial and Deep mycoses • Parasites • Rodents & vectors Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms Collection, handling and transportation of various specimens 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type
V	8	4	Explain the concept of immunity, hyper sensitivity and immunization	Immunity <ul style="list-style-type: none"> • Immunity-Types, classification • Antigen and antibody reaction • Hypersensitivity – skin test • Serological tests • Immunoprophylaxis 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> □ Vaccines & sera -Types & Classi-fication, storage and handling, cold chain □ Immunization for various diseases □ Immunization Schedule 		

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

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Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
V	2	2	<ul style="list-style-type: none"> Describe and use the statistical packages 	<ul style="list-style-type: none"> Statistical packages: types and their features 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice Session 	<ul style="list-style-type: none"> Short answers Objective type Practical Exam and Viva Voce
VI	1	2	<ul style="list-style-type: none"> Describe the use of Hospital Management System 	<ul style="list-style-type: none"> Hospital Management System: Types and uses 	<ul style="list-style-type: none"> Lecture Discussion Demonstration 	<ul style="list-style-type: none"> Short answers Objective type Practical Exam and Viva Voce

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Sociology

Placement: Second Year

Time: Theory 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
I	1	<ul style="list-style-type: none"> State the importance of sociology in Nursing 	Introduction <ul style="list-style-type: none"> Definition of Sociology Nature and Scope of the discipline Importance and application of Sociology in Nursing 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
II	3	<ul style="list-style-type: none"> Describe the inter-relationship of individual in society and community 	Individual & Society <ul style="list-style-type: none"> Society and Community « Nature of Society Difference between Society and Community + Process of Socialization and individualization Personal disorganization Multidisciplinary nature of environmental studies Definition, scope and importance Need for public awareness Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
III	3	<ul style="list-style-type: none"> Describe the influence of culture and on health and disease 	Culture <ul style="list-style-type: none"> » Nature of culture • Evolution of culture « Diversity and uniformity of culture • Culture and socialization • Transcultural society • Influence on health and disease 	<ul style="list-style-type: none"> Lecture Discussion Panel Discussion 	<ul style="list-style-type: none"> Essay type Short answers
IV	4	<ul style="list-style-type: none"> Identify various social groups and their interactions 	Social groups and Processes <ul style="list-style-type: none"> » The meaning and classification of groups • Primary & Secondary Group • In-group V/s. Out-group, Class Tribe, Caste • Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes « Co-operation, Competition, Conflict • Accommodation, Assimilation & Isolation 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
V	6	<ul style="list-style-type: none"> Explain the growth of population in India and its impact on health 	<p>Population</p> <ul style="list-style-type: none"> Society and population Population distribution in India- Demographic characteristics Malthusian theory of Populations Population distribution in India and its impact on health status Family welfare programmes 	<ul style="list-style-type: none"> Lecture Discussion Community identification 	<ul style="list-style-type: none"> « Essay type • Short answers « Assessment of report on community identification
VI	5	<ul style="list-style-type: none"> Describe the institutions of family and marriage in India 	<p>Family and Marriage</p> <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture Discussion Family Case study 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of family case study
VII	7	<ul style="list-style-type: none"> Describe the class and caste system and their influence on health and health practices 	<p>Social Stratification</p> <ul style="list-style-type: none"> Meaning & types of social stratification The Indian Caste System-origin & features Features of Caste in India Today Social Class system and status « Social Mobility-Meaning & Types <ul style="list-style-type: none"> » 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 <p>Introduction - Definition : genetic, species and ecosystem diversity.</p> <ul style="list-style-type: none"> Biogeographical classification of India Value of biodiversity : consumptive use, productive use, social, ethical, aesthetic and option values Biodiversity at global, National and local levels. India as a mega-diversity nation Hot-spots of biodiversity Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts Endangered and endemic species of India Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity 	<ul style="list-style-type: none"> Lecture Discussion Community survey 	<ul style="list-style-type: none"> • Essay type » Short answers » Assessment of report on community survey

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Unit	Time (Hrs)	Learning Objectives	Teaching Learning	Assessment
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			Industrial and Technological systems, Norms & Values- Folkways & Mores Customs, Laws and fashion Role of nurse		of report on community survey
XII	15	+ Describe the role of the nurse in dealing with social problems in India	Social Problems <ul style="list-style-type: none"> • Social disorganization • Control & planning: poverty, housing, 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	<ul style="list-style-type: none"> • Essay type • Short answers » Assessment of visit reports

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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	<ul style="list-style-type: none"> Describe pharmaco-dynamics, pharmacokinetics, classification and the principles of drug administration 	Introduction to pharmacology <ul style="list-style-type: none"> Definitions Sources Terminology used Types: Classification Pharmacodynamics: Actions, therapeutic, Adverse, toxic Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion Review: Routes and principles of administration of drugs Indian pharmacopoeia: Legal issues Rational use of drugs Principles of therapeutics 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type
II	6	<ul style="list-style-type: none"> Explain chemotherapy of specific infections and infestations and nurse's responsibilities 	Chemotherapy <ul style="list-style-type: none"> Pharmacology of commonly used; <ul style="list-style-type: none"> Penicillin Cephalosporins. Aminoglycosides Macrolide & Broad Spectrum Antibiotics Sulfonamides Quinolones. Antiamoebic Antimalarials Anthelmintics Antiscabies agents Antiviral & anti-fungal agents. Antitubercular drugs Anti leprosy drugs Anticancer drugs Immuno-suppressants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 	<ul style="list-style-type: none"> Lecture Discussion Drug study/presentation 	<ul style="list-style-type: none"> Short answers Objective type

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

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
VII	4	<ul style="list-style-type: none"> • Describe Drugs used in Dead diction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immuno-suppression and nurse's responsibilities 	Miscellaneous <ul style="list-style-type: none"> • Drugs used in de-addiction • Drugs used in CPR and emergency • Vitamins and minerals • Immunosuppresants • Antidotes • Antivenom • Vaccines and sera 	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study/presentation 	<ul style="list-style-type: none"> • Short answers • Objective type
VIII	1	<ul style="list-style-type: none"> • Describe Drugs used on skin and mucous membranes and nurse's responsibilities 	Drugs used on skin and mucous membranes <ul style="list-style-type: none"> • Topical applications for skin, eye, ear, nose and buccal cavity Antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Short answers • Objective type
IX	8	<ul style="list-style-type: none"> • Describe Drugs used on Nervous System and nurse's responsibilities. 	Drugs acting on Nervous system <ul style="list-style-type: none"> • Basic & applied pharmacology of commonly used: • Analgesics and Anaesthetics <ul style="list-style-type: none"> □ Analgesics <ul style="list-style-type: none"> - Non steroidal anti-inflammatory (NSAID) drugs □ Antipyretics □ Hypnotics and Sedatives <ul style="list-style-type: none"> - Opioids - Non-Opioids - Tranquilizers - General & local anesthetics - Gases: oxygen, nitrous oxide, carbon-dioxide • Cholinergic and anti-cholinergics: <ul style="list-style-type: none"> □ Muscle relaxants 	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Short answers • Objective type

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Major tranquilizers □ Anti-psychotics □ Antidepressants □ Anticonvulsants □ Adrenergics □ Noradrenergics □ Mood stabilizers □ Acetylcholine □ Stimulants <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
X	5	<ul style="list-style-type: none"> • Describe Drugs used on Cardio-vascular System and nurse's responsibilities 	<p>Cardiovascular drugs</p> <ul style="list-style-type: none"> • Haematinics • Cardiotonics, • Anti-anginals • Anti-hypertensives & Vasodilators • Anti-arrhythmics • Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Short answers • Objective type
XI	4	<ul style="list-style-type: none"> • Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities 	<p>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</p> <ul style="list-style-type: none"> • Insulins & Oral hypoglycemics • Thyroid supplements and suppressants • Steroids, Anabolics • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progestrone preparations • Corticotrophine & Gonadotropines • Adrenaline • Prostaglandins • Calcitonins • Calcium salts 	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study / presentation 	<ul style="list-style-type: none"> • Short answers • Objective type

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Calcium regulators Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
XII	6	<ul style="list-style-type: none"> Demonstrate awareness of the common drugs used in alternative system of medicine 	Introduction to Drugs used in alternative systems of medicine: <ul style="list-style-type: none"> Ayurveda, Homeopathy, Unani and Siddha etc 	<ul style="list-style-type: none"> Lecture Discussion Observational Visits 	<ul style="list-style-type: none"> Short answers Objective type

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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)		Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	3		<ul style="list-style-type: none"> Define the common terms used in pathology. Appreciate the deviations from normal to abnormal structure and functions of the body system. 	<ul style="list-style-type: none"> Introduction <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Normal and Cancer cell Benign and Malignant growths In situ carcinoma Disturbances of fluid and electrolyte imbalance 	<ul style="list-style-type: none"> Lecture Discussion Explain using Charts 	<ul style="list-style-type: none"> Short answers Objective type
II	10	5	<ul style="list-style-type: none"> Explain Pathological changes in disease conditions of various systems 	Special pathology <ul style="list-style-type: none"> Pathological changes in disease conditions of various systems: Respiratory tract <ul style="list-style-type: none"> Tuberculosis, Bronchitis, Pleural effusion and pneumonia, Lung abscess, emphysema, bronchiectasis Bronchial asthma, Chronic obstructive Pulmonary disease & tumours 	<ul style="list-style-type: none"> Lecture Discussion Explain using Charts, slides, specimen, X-rays and Scans Visit to Pathology lab, endoscopy unit and OT 	<ul style="list-style-type: none"> Short answers Objective type

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

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Unit	Time (Hrs)		Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> □ Stroke, paraplegia, quadriplegia □ Tumours, meningiomas – gliomas • Metastatic tumour • Skeletal system <ul style="list-style-type: none"> □ Bone healing, osteoporosis, osteomyelitis • Arthritis & tumours 		
III	4	3	<ul style="list-style-type: none"> • Describe various laboratory tests in assessment and monitoring of disease conditions 	Clinical pathology <ul style="list-style-type: none"> • Various blood and bone marrow tests in assessment and monitoring of disease conditions <ul style="list-style-type: none"> □ 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 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Visit to Clinical Pathology & Bio-Chemistry lab and Blood bank 	<ul style="list-style-type: none"> • Short answers • Objective type
IV	2	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of body cavity fluids, 	Examination of body cavity fluids, transudates and exudates <ul style="list-style-type: none"> • The laboratories tests used in CSF analysis • Examination of other body cavity fluids, transudates and exudates – sputum, wound 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type

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Unit	Time (Hrs)		Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			transudates and exudates	discharge etc <ul style="list-style-type: none"> • Analysis of gastric and duodenal contents • Analysis of semen-sperm count, motility and morphology and their importance in infertility • Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 		
V	1	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of Urine and faeces 	Urine and faeces <ul style="list-style-type: none"> • Urine <ul style="list-style-type: none"> □ Physical characteristics □ Analysis □ Culture and sensitivity • Faeces <ul style="list-style-type: none"> □ Characteristics □ Stool examination: occult blood, ova, parasite and cyst, reducing substance etc. • Methods of collection for various tests, inference and normal values 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type

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Section- B Genetics

Placement: Second

Time: Theory — 15hours

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

Unit	Time (Egg)	Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> Explain nature, principles and perspectives of heredity 	<p>Introduction</p> <ul style="list-style-type: none"> Practical application of genetics in Nursing Impact of genetic condition on families Review of cellular division mitosis and meiosis. Characteristics and structure of genes Chromosomes — sex determination » Chromosomal aberrations Patterns of inheritance ○ Mendalian theory of inheritance ○ Multiple allots and blood groups ○ Sex linked inheritance ○ Mechanism of inheritance ○ Errors in transmission (Mutation) <p>Energy resources ; Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, Case studies.</p>	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective type
II	3	<ul style="list-style-type: none"> Explain Maternal, prenatal and genetic influences on development of defects and diseases 	<p>Maternal, prenatal and genetic influences on development of defects and diseases</p> <ul style="list-style-type: none"> Conditions affecting the mother: genetic and infections « Consanguinity atopy Prenatal nutrition and food allergies. Maternal Age Maternal drug therapy Prenatal testing and diagnosis « Effect of Radiation, drugs and chemicals Infertility Spontaneous abortion 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> « Short answers Objective type

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Unit	Time (Hrs)	Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> Neural Tube Defects and the role of folic acid in lowering the risks Down syndrome (Trisomy 21) 		
III	2	<ul style="list-style-type: none"> Explain the screening methods for genetic defects and diseases in neonates and children 	Genetic testing in the neonates and children <ul style="list-style-type: none"> Screening for <ul style="list-style-type: none"> Congenital abnormalities Developmental delay Dysmorphism 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective type
IV	2	<ul style="list-style-type: none"> Identify genetic disorders in adolescents and adults 	Genetic conditions of adolescents and adults <ul style="list-style-type: none"> Cancer genetics — Familial Cancer Inborn errors of metabolism Blood group alleles and haematological disorder Genetic haemochromatosis Huntington's disease Mental illness 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective type
V	5	<ul style="list-style-type: none"> Describe the role of nurse in genetic services and counseling 	Services related to Genetics <ul style="list-style-type: none"> Genetic testing Human genome project Gene therapy The⁷⁷Eugenics movement Genetic Counseling Legal and Ethical issues Role of nurse 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type

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Medical Surgical Nursing (Adult including Geriatrics)-I

Placement: Second Year

Time: Theory - 210 hours
Practical - 720 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
1	15	<ul style="list-style-type: none"> Appreciate the trends in medical and surgical nursing. Describe the role of a nurse in caring for adult patient in hospital and community. Describe the concepts of Medical Surgical asepsis 	<p>Introduction:</p> <ul style="list-style-type: none"> Introduction to medical surgical nursing- Evolution and trends of medical and surgical nursing Review of Concepts of Health and illness Disease-concepts, causations, classification- 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: <ul style="list-style-type: none"> □ Outpatient department. □ In-patient unit □ Intensive care unit. □ Home and Community settings Introduction to Medical Surgical asepsis <ul style="list-style-type: none"> □ Inflammation and Infection □ Immunity □ Wound healing Care of Surgical Patient 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised clinical practice 	<ul style="list-style-type: none"> Short answers Objective Type Assessment of skills with check list

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Pre-operative □ Intra operative □ Post Operative 		
II	15	<ul style="list-style-type: none"> • Describe the common signs, symptoms, problems and their • Specific nursing interventions 	Common signs and symptoms and management <ul style="list-style-type: none"> • Fluid and electrolyte imbalance. • Vomiting • Dyspnea and cough, respiratory obstruction • Fever • Shock • Unconsciousness , Syncope • Pain • Incontinence • Edema • Age related problems- geriatric 	<ul style="list-style-type: none"> • Lecture discussion • Seminar • Case discussion 	<ul style="list-style-type: none"> • Short answers • Objective Type
III	20	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system. • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & nursing management of adults including elderly with - <ul style="list-style-type: none"> □ Upper Respiratory tract infections. □ Bronchitis □ Asthma □ Emphysema □ Empyema □ Atelectasis □ Chronic Obstructive Pulmonary Diseases (COPD) □ Bronchiectasis □ Pneumonia 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Pulmonary tuberculosis □ Lung abscess □ Pleural effusion □ Cysts and Tumours □ Chest injuries □ Respiratory arrest and insufficiency □ Pulmonary embolism Special therapies, alternative therapies Nursing procedures Drugs used in treatment of respiratory disorders		
IV	30	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems 	Nursing management of patient (adults including elderly) with disorders of digestive system <ul style="list-style-type: none"> • Review of anatomy and physiology of digestive system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management • Disorders of <ul style="list-style-type: none"> □ Oral cavity- lips, gums, tongue, salivary glands and teeth □ Oesophagus –inflammation, stricture, obstruction, bleeding and tumours □ Stomach and duodenum- hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis □ Small intestinal disorders- inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation □ Large intestinal disorders- Colitis, inflammation and infection, obstruction and tumour and lump 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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

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

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Role of a nurse in Organ donation, retrieval and banking Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders 		
VI	10	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system 	<p>Nursing management of patient (adults including elderly) with genito-urinary problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of genito-urinary system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- <ul style="list-style-type: none"> • Nephritis • Nephrotic syndrome • Nephrosis • Renal calculus • Tumours • Acute renal failure • Chronic renal failure • End stage renal disease • Dialysis, renal transplant • Congenital disorders, urinary infections • Benign prostate hypertrophy • Disorders of ureter, urinary bladder and urethra-inflammation, infection, stricture, obstruction, tumour, prostrate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genito-urinary disorders 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
VII	5	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, 	<p>Nursing management of disorders of male(adults including elderly) reproductive system</p>	<ul style="list-style-type: none"> • Lecture discussion • Explain using 	<ul style="list-style-type: none"> • Essay type • Short answers

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
		clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system	<ul style="list-style-type: none"> Review of anatomy and physiology of male reproductive system Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of male reproductive system Congenital malformations; cryptorchidism Hypospadiasis, Epispadiasis Infections Testis and adjacent structures Penis Prostate: inflammation, infection, hypertrophy, tumour Sexual Dysfunction Infertility Contraception Breast: gynecomastia, tumour Climacteric changes Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system	Charts, graphs <ul style="list-style-type: none"> Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation 	<ul style="list-style-type: none"> Objective type Assessment of skills with check list Assessment of patient management problem
VIII	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system 	Nursing management of patient(adults including elderly) with disorders of endocrine system <ul style="list-style-type: none"> 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 - 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/ Seminar Health education Supervised clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

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

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
X	15	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo-skeletal system. 	<p>Nursing management of patient (adults including elderly) with musculoskeletal problems</p> <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> Muscles, Ligaments and Joints - inflammation, infection, trauma Bones-inflammation, infection, dislocation, fracture, tumour and trauma Osteomalacia and osteoporosis Arthritis Congenital deformities Spinal column- defects and deformities, Tumor, 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 disorders of musculoskeletal system 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
XI	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic 	<p>Nursing management of patient (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> Review of Immune system. Nursing Assessment-History and Physical assessment 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
		measures and management of patients (adults including elderly) with disorders of Immunological system	<ul style="list-style-type: none"> Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of - Immunodeficiency disorder. Primary immuno deficiency. Phagocytic dysfunction B-cell and T-cell deficiencies Secondary immunodeficiencies Acquired immunodeficiency syndrome (AIDS) Incidence of HIV & AIDS Epidemiology Transmission-Prevention of Transmission Standard Safety precautions Role of Nurse; Counseling Health education and home care consideration. National AIDS Control Program- NACO, various national and international agencies Infection control program Rehabilitation. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system	<ul style="list-style-type: none"> Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation Orientation visit to Hospital Control system 	<ul style="list-style-type: none"> of skills with check list Assessment of patient management problem
XII	20	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases. 	Nursing management of patient (adults including elderly) with Communicable Diseases <ul style="list-style-type: none"> Overview of infectious disease, the infectious process Nursing Assessment-History and Physical assessment Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common Communicable Diseases- 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> □ Tuberculosis □ diarrhoeal diseases □ hepatitis A – E □ herpes □ chickenpox □ smallpox □ typhoid □ meningitis □ gas gangrene □ leprosy. □ Dengue □ Plague □ Malaria □ Diphtheria □ Pertussis □ Poliomyelitis □ Measles □ Mumps □ Influenza □ Tetanus □ Yellow fever □ Filariasis □ HIV, AIDS • Reproductive Tract Infections • Special Infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases 	<ul style="list-style-type: none"> • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Problem
XIII	25	<ul style="list-style-type: none"> • Describe the Organisation and physical set up of operation theatre • Identify the various instruments and equipments 	Peri operative nursing: <ul style="list-style-type: none"> • Organisation and Physical set up of the Operation Theatre (OT): <ul style="list-style-type: none"> □ Classifications □ O.T. DESIGN □ Staffing □ Members of the OT team. □ Duties and responsibilities of nurse in O.T. □ Principles of Health and operating room attire. 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list

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

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Medical Surgical Nursing (Adult including Geriatrics) - I Practical

Placement: Second year

Time: 720 Hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (*Respiratory, GI, Endocrine, Renal, Hematology)	6	<ul style="list-style-type: none"> Provide nursing care to adult patients with medical disorders Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of the patient <ul style="list-style-type: none"> □ Taking history □ Perform general and specific physical examination. □ Identify alterations and deviations Practice medical surgical asepsis- Standard safety measures Administer medications <ul style="list-style-type: none"> □ Oral, IV, IM, Subcutaneous IV therapy <ul style="list-style-type: none"> □ IV cannulation □ 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 <ul style="list-style-type: none"> □ Catheterisation □ Bowel wash 	<ul style="list-style-type: none"> Plan and give care to 3-4 assigned patients Nursing care plan-2 Nursing case study/ presentation-1 Drug presentation- 1 Maintain drug book Maintain Practical record book 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of case study/ presentation Completion of practical record.

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Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> □ Enema □ Urinary drainage • Maintain Intake, output and documentation • Counsel and teach related to specific disease conditions 		
General Surgical Ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> • Provide pre and post operative nursing care to adult patients with surgical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Practice medical surgical asepsis-Standard safety measures • Pre operative preparation of patients • 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 <ul style="list-style-type: none"> □ Gastrostomy □ Colostomy □ Enterostomy • Blood and component therapy • Practice universal precautions 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan - 2 • Nursing case study/ presentation - 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation • Completion of activity record.
Cardiology ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Physical examination of 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 	<ul style="list-style-type: none"> • Plan and give care to 2-3 assigned patients • Nursing care plan - 1 • Nursing case study/ presentation/Health talk - 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study/ presentation/health talk

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Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> Teach patients and families Practice medical and surgical asepsis- Standard safety measures 		<ul style="list-style-type: none"> Completion of activity record
Skin & Communicable diseases Ward	1	<ul style="list-style-type: none"> Identify skin problems Provide nursing care to patients with Skin disorders & Communicable diseases Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of patients with skin disorders Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis - Standard safety measures Use of personal protective equipment (PPE) Give Medicated baths Counseling HIV positive patients Teach prevention of infectious diseases. 	<ul style="list-style-type: none"> Plan and give care to 2-3 assigned patients Health talk/ Counseling HIV positive patients and families -1 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation health talk/Counseling session Completion of activity record
Orthopaedic ward	2	<ul style="list-style-type: none"> Provide nursing care to patients with musculo-skeletal disorders Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction-buck's extension traction. Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM), muscle strengthening exercises Crutch maneuvering technique. Activities of daily living Ambulation Teach and counsel 	<ul style="list-style-type: none"> Plan and give care to 2-3 assigned patients Nursing care plan -1 Nursing case study/ presentation - 1 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of Nursing care plan and Nursing case study/ presentation Completion of activity record

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

Internship

Time: 260 hours (9 weeks)

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
ICU, CCU, CARDI AC OT.	2	<ul style="list-style-type: none"> 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 handling 	<ul style="list-style-type: none"> Assist in arterial puncture for blood gas analysis. Perform ECG and interpret accordingly. Conduct and analysis pulse oximetry. Care with artificial airway. Assist in endotracheal intubation. Setting up ventilator. Giving care in 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Record book. Checking with supervisor.

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Areas	Duration (In week)	Objectives	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> ventilator Administer injection in infusion pump. Record accurately findings and medications. Develop IPR with family members. Acquint with OT technique. 	<ul style="list-style-type: none"> ventilator. Drug sheet. Observation of special procedure in OT. 	<ul style="list-style-type: none"> all assigned patients. Nursing care in ventilator. Drug sheet. 	
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> Develop skill in neurological assessment. Give care to the pt with head injury and spinal injury. Care with chest surgery and cranial surgery. 	<ul style="list-style-type: none"> Assess neurological status. Implement care to head injury spinal injury patients. Drug sheet. Pre and postoperative care with neuro surgery patients. 	<ul style="list-style-type: none"> Assessment for all assigned patients. Nursing care plan-2 Drug sheet 	<ul style="list-style-type: none"> Record book Observation checklist.
Burns and plastic Reconstructive surgery	2	<ul style="list-style-type: none"> Assess the severity of burns. Administer rehydration therapy. Observe reconstructive surgery. 	<ul style="list-style-type: none"> Nursing care 		
OT Laproscopic Orthopaedic Eye ENT	3	<ul style="list-style-type: none"> Identify instruments Assist in OT set Up Supervise sterilization. Assist in OT table lay out. Observe immediately after operation. Supervise infection control. 		<ul style="list-style-type: none"> Assist -5 cases. 	<ul style="list-style-type: none"> Record book.

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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 Methods	Assessment Method
I	2	<ul style="list-style-type: none"> Describe concept and dimensions of health 	<p>Introduction</p> <ul style="list-style-type: none"> Community health nursing Definition, concept and dimensions of health Promotion of health « Maintenance of health 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answers
II	20	<ul style="list-style-type: none"> Describe determinants of health 	<p>Determinants of health</p> <ul style="list-style-type: none"> Eugenics Environment: <ul style="list-style-type: none"> O Physical: Air, light, Ventilation, Water, Housing, Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: infrastructure facilities and Linkages O Acts regulating the environment: National Pollution control board O Bacterial & viral: Agents, host carriers and immunity n Arthropods and Rodents Food hygiene: Production, Preservation, Purchase, Preparation, Consumption <ul style="list-style-type: none"> » Acts regulating food hygiene- Prevention of food adulteration act, Drugs and cosmetic act Socio-cultural <ul style="list-style-type: none"> O Customs, taboos O Marriage system O Family structure O Status of special groups; Females, Children, Elderly, challenged groups and Sick person Life style 	<ul style="list-style-type: none"> » Lecture discussion Explain using Charts, graphs, Models, films, slides + Visits to water supply, sewage disposal, milk plants, slaughter house etc 	<ul style="list-style-type: none"> Essay type Short answers Objective type

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

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Method
			n HIV/AIDS Any other		
V	10	<ul style="list-style-type: none"> Describe Epidemiology and nursing management of common Non-communicable diseases 	Epidemiology and Nursing management of Non-communicable diseases <ul style="list-style-type: none"> Malnutrition: under nutrition, over nutrition, nutritional deficiencies Anaemia Hypertension Stroke Rheumatic Heart Disease Coronary Heart Disease Cancer Diabetes mellitus Blindness Accidents Mental illness Obesity Iodine Deficiency « Fluorosis Epilepsy 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Seminar Supervised field practice-health centers, clinics and homes Group projectsf Health education 	<ul style="list-style-type: none"> Essay type Shon answers Objective type
VI	6	<ul style="list-style-type: none"> Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation of demographic data 	Demography <ul style="list-style-type: none"> Definition, concept and scope » Methods of collection, analysis and interpretation of demographic data Demographic rates and ratios 	<ul style="list-style-type: none"> Lecture discussion Community identification survey 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of Survey report
VII	17	<ul style="list-style-type: none"> Identify the impact of population explosion in India Describe methods of population 	Population and its control <ul style="list-style-type: none"> » Population explosion and its impact on social, economic development of individual, society and country « Population control: <ul style="list-style-type: none"> Overall development: Women empowerment, social, economic and Educational development 	<ul style="list-style-type: none"> Lecture discussion Population survey Counseling Demonstration Practice session Supervised field 	<ul style="list-style-type: none"> Essay type short answers Objective type Assessment of Survey .e *

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Method
		control	<p>« Limiting family size: O Promotion of small family</p> <p>O Methods: spacing (natural, biological, chemical, mechanical methods etc) O Terminal: surgical methods</p> <p>O Emergency contraception</p> <p>Human Population and the Environment</p> <ul style="list-style-type: none"> • Population growth, variation among nations • Population explosion - Family Welfare Programme • Environment and human health • Human Rights • Value Education • HIV/AIDS • Women and Child Welfare • Role of Information Technology In Environment and human health • Case studies 		

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Community Health Nursing I - Practical

Placement: Second Year

Time: Practical - 135 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> 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 community 	<ul style="list-style-type: none"> Use Techniques of interpersonal relationship Identification of health determinants of community History taking Physical examination Collect specimens- sputum, malaria smear Perform simple lab tests at centre- blood for Haemoglobin and sugar, urine for albumin and sugar Administer vaccines and medications to adults Counsel and teach individual, family and community <ul style="list-style-type: none"> Nutrition Hygiene Self health monitoring Seeking health services Healthy life style Family welfare methods Health promotion 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Assess each skill with checklist Evaluation of family study, observation report and health talk Completion of activity record.

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Communication & Educational Technology

Placement: Second Year

Time: Theory - 90 Hours

Course Description: This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop 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		<ul style="list-style-type: none"> Describe the communication process Identify techniques of effective communication 	Review of Communication Process <ul style="list-style-type: none"> Process; elements and channels Facilitators Barriers and methods of overcoming Techniques 	<ul style="list-style-type: none"> Lecture Discussion Role plays Exercises with audio/video tapes 	<ul style="list-style-type: none"> Respond to critical incidents Short answers Objective type
II	5		<ul style="list-style-type: none"> Establish effective inter-personal relations with patients, families & co-workers 	Interpersonal relations <ul style="list-style-type: none"> Purpose & types Phases Barriers & methods of overcoming Johari Window 	<ul style="list-style-type: none"> Lecture Discussion Role Plays Exercises with audio/video tapes Process recording 	<ul style="list-style-type: none"> Short Answer Objective type
III	5		<ul style="list-style-type: none"> Develop effective human relations in context of nursing 	Human relations <ul style="list-style-type: none"> Understanding self Social behaviour, motivation, social attitudes Individual and groups Groups & individual Human relations in context of nursing Group dynamics Team work 	<ul style="list-style-type: none"> Lecture Discussion Sociometry Group games Psychometric exercises followed by discussion 	<ul style="list-style-type: none"> Short Answer Objective type Respond to test based on critical incidents
IV	10	5	<ul style="list-style-type: none"> Develop basic skill of counselling and guidance 	Guidance & counselling <ul style="list-style-type: none"> Definition Purpose, scope and need Basic principles Organization of counselling services Types of counselling approaches 	<ul style="list-style-type: none"> Lecture Discussion Role play on counselling in different situations followed by discussion 	<ul style="list-style-type: none"> Short Answer Objective type Assess performance in role play situations

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Fr.				
				<ul style="list-style-type: none"> • ... and preparation of ... • Issues for counseling in nursing: students and practitioners • Counselling process – steps & techniques, tools of counselor • Managing disciplinary problems • Management of crisis & referral 		
V	5		<ul style="list-style-type: none"> • Describe the philosophy & principles of education • Explain the teaching learning process 	Principles of education & teaching learning process <ul style="list-style-type: none"> • Education: meaning, philosophy, aims, functions & principles • Nature and characteristics of learning. • Principles and maxims of teaching. • Formulating objectives: general and specific • Lesson planning • Classroom management 	<ul style="list-style-type: none"> • ... teaching • Exercise on writing objectives 	<ul style="list-style-type: none"> • Short Answer • Objective type • Assess lesson plans & teaching sessions
VI	10	10	<ul style="list-style-type: none"> • Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings 	Methods of teaching <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Lecture Discussion • Conduct 5 teaching sessions using different methods & media 	<ul style="list-style-type: none"> • Short Answer • Objective type • Assess teaching sessions

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
VII	10	8	<ul style="list-style-type: none"> Prepare and use different types of educational media effectively 	Educational media <ul style="list-style-type: none"> Purposes & types of A. V. Aids, principles and sources etc. Graphic aids: chalk board, chart, 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 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Prepare different teaching aids – projected & non projected 	<ul style="list-style-type: none"> Short Answer Objective type Assess the teaching aids prepared
VIII	5	7	<ul style="list-style-type: none"> Prepare different types of questions for assessment of knowledge, skills and attitudes 	Assessment <ul style="list-style-type: none"> 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: Attitude scales 	<ul style="list-style-type: none"> Lecture Discussion Exercise on writing different types of assessment tools 	<ul style="list-style-type: none"> Short Answer Objective type Assess the strategies used in practice teaching sessions and exercise sessions
IX	5		<ul style="list-style-type: none"> Teach individuals, groups and communities about health 	Information, Education & communication for health (IEC) <ul style="list-style-type: none"> Health behaviour & health education 	<ul style="list-style-type: none"> Lecture Discussion Plan & conduct health education sessions for 	<ul style="list-style-type: none"> Short Answer Objective type Assess the

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
			with their active participation	<ul style="list-style-type: none"> • Planning for health education • Health education with individuals, groups & communities • Communicating health messages • Methods & media for communicating health messages • Using mass media 	individuals, group & communities	planning & conduct of the educational session

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Medical Surgical Nursing (Adult including Geriatrics) – II

Placement: Third year

Time: Theory - 120 hours
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 Activity	Assessment method
1	15	<ul style="list-style-type: none"> Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat 	<p>Nursing management of patient with disorders of Ear Nose and Throat</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the Ear Nose and Throat - Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders: <ul style="list-style-type: none"> External ear: deformities otalgia, foreign bodies, and tumours Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours Inner ear- Meniere's Disease, labyrinthitis, ototoxicity, tumours Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis Upper respiratory airway – epistaxis, Nasal obstruction, laryngeal obstruction, cancer of the larynx Cancer of the oral cavity 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> • Speech defects and speech therapy • Deafness - • Prevention, control and rehabilitation • Hearing Aids, implanted hearing devices Special therapies Nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness.		
II	15	<ul style="list-style-type: none"> • Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients with disorders of eye. 	Nursing management of patient with disorders of eye <ul style="list-style-type: none"> • Review of anatomy and physiology of the eye- • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: <ul style="list-style-type: none"> □ Refractive errors □ Eyelids-infection, tumours and deformities □ Conjunctiva- inflammation and infection, bleeding □ Cornea- inflammation and infection □ Lens-Cataracts □ Glaucoma □ Disorder of the <u>uveal</u> 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 <ul style="list-style-type: none"> □ Eye Banking □ Eye prostheses and Rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation • Visit to eye bank • Participation in eye-camps 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			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	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders. 	Nursing management of patient with neurological disorders <ul style="list-style-type: none"> Review of anatomy and physiology of the neurological system Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders Congenital malformations Headache Head Injuries Spinal Injuries: <ul style="list-style-type: none"> □ Paraplegia □ Hemiplegia □ Quadraplegia Spinal cord compression- herniation of intervertebral disc Tumors of the brain & spinal cord Intra cranial and cerebral aneurysms Infections: <ul style="list-style-type: none"> □ Meningitis, Encephalitis, Brain abscess, neurocysticercosis Movement disorders <ul style="list-style-type: none"> □ Chorea □ Seizures □ Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies - Bell's palsy, trigeminal neuralgia Peripheral Neuropathies; Guillain-Barr'e Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation Visit to rehabilitation centre 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> □ 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	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Review of anatomy and physiology of the female reproductive system • Nursing Assessment-History and Physical assessment • Breast Self Examination • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of disorder of female reproductive system • Congenital abnormalities of female reproductive system • Sexuality and Reproductive Health • Sexual Health Assessment • Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome • Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia • Pelvic Inflammatory Disease- • Ovarian and fallopian tube disorders; infections, cysts, tumours • Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			uterine displacement, Cystocele/Urethrocele/Rectocele <ul style="list-style-type: none"> • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception; Types Methods, Risk and effectiveness <ul style="list-style-type: none"> □ Spacing Methods <ul style="list-style-type: none"> - Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, etc □ Terminal methods <ul style="list-style-type: none"> - Sterilization • Emergency Contraception methods • Abortion -Natural, Medical and surgical abortion – MTP Act • Toxic Shock Syndrome • Injuries and Trauma; Sexual violence Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with with Burns, reconstructive and cosmetic surgery	Nursing management of patients with Burns, reconstructive and cosmetic surgery <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss • Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<p>nursing management of Burns and Re-constructive and Cosmetic surgery;</p> <ul style="list-style-type: none"> • Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes • Role of Nurse • Legal aspects • Rehabilitation • Special therapies <ul style="list-style-type: none"> □ Psycho social aspects <p>Nursing procedures Drugs used in treatment of Burns, reconstructive and cosmetic surgery</p>	<ul style="list-style-type: none"> • Drug book /presentation 	
VI	10	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology 	<p>Nursing management of patients with oncological conditions</p> <ul style="list-style-type: none"> • Structure & characteristics of normal & cancer cells • Nursing Assessment-History and Physical assessment • Prevention, Screening, Early detection, Warning signs of cancer • Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions • Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc • Oncological emergencies • Modalities of treatment <ul style="list-style-type: none"> □ Immunotherapy □ Chemotherapy □ Radiotherapy □ Surgical Interventions □ Stem cell and Bone marrow transplants □ Gene therapy 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> □ 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 <ul style="list-style-type: none"> □ Psycho social aspects • Nursing procedures 		
VII	10	<ul style="list-style-type: none"> • Describe organization of emergency and disaster care services • Describe the role of nurse in disaster management • Describe the role of nurse in management of common Emergencies 	<p>Nursing management of patient in EMERGENCY & DISASTER situations</p> <p>Disaster Nursing:</p> <ul style="list-style-type: none"> • Concepts and principles of Disaster Nursing • Causes and Types of Disaster: Natural and Man-made <ul style="list-style-type: none"> □ Earthquakes, Floods, Epidemics, Cyclones □ Fire, Explosion, Accidents □ Violence, Terrorism, bio-chemical, War • Policies related to emergency/disaster management; International, national, state, institutional • Disaster preparedness: <ul style="list-style-type: none"> • 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 • Impact on Health and after effects; Post Traumatic Stress Disorder • Rehabilitation: physical, psycho-social, Financial, Relocation <p>Emergency Nursing</p> <ul style="list-style-type: none"> • Concept, priorities, principles and Scope of emergency nursing 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Disaster management Drills • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> • 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; 		
VIII	10	<ul style="list-style-type: none"> • Explain the concept and problems of aging 	Nursing care of the elderly <ul style="list-style-type: none"> • Nursing Assessment-History and Physical assessment • Ageing; • Demography; Myths and realities • Concepts and theories of ageing 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
		<ul style="list-style-type: none"> Describe nursing care of the elderly 	<ul style="list-style-type: none"> Cognitive Aspects of Ageing Normal biological ageing Age related body systems changes Psychosocial Aspects of Aging Medications and elderly Stress & coping in older adults Common Health Problems & Nursing Management; Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other Sensory organs <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation Visit to old age home 	<ul style="list-style-type: none"> of skills with check list Assessment of patient management problem
IX	10	<ul style="list-style-type: none"> Describe organization of critical care units Describe the role of nurse in management of patients critical care units 	Nursing management of patient in critical care units <ul style="list-style-type: none"> Nursing Assessment-History and Physical assessment Classification Principles of critical care nursing Organization; Physical setup, Policies, staffing norms, Protocols, equipment and supplies Special equipments: ventilators, cardiac monitors, defibrillators, Resuscitation equipments Infection Control Protocols 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Role plays Counseling Practice session Case discussions/ Seminar 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<ul style="list-style-type: none"> Nursing management of critically ill patient; Monitoring of critically ill patient CPR-Advance Cardiac Life support Treatments and procedures. Transitional care Ethical and Legal Aspects Communication with patient and family Intensive care records Crisis Intervention Death and Dying-coping with Drugs used in critical care unit 	<ul style="list-style-type: none"> Health education Supervised clinical practice Drug book /presentation 	
X	8	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorders 	<p>Nursing management of patients adults including elderly with Occupational and Industrial disorders</p> <ul style="list-style-type: none"> 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 		

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Medical Surgical Nursing (Adult and Geriatrics) – II Practical

Placement: Third Year

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

Areas	Duration (in wks)	Objectives of posting	Skills to be developed	Assignments	Assessment methods
ENT	1	<ul style="list-style-type: none"> Provide care to patients with ENT disorders Counsel and educate patient and families 	<ul style="list-style-type: none"> Perform examination of ear, nose and throat Assist with diagnostic procedures Assist with therapeutic procedures Instillation of drops Perform/assist with irrigations. Apply ear bandage Perform tracheostomy care Teach patients and families 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan – 1 Observation reports of OPD Maintain drug book 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD Completion of activity record
Ophthalmology	1	<ul style="list-style-type: none"> Provide care to patients with Eye disorders Counsel and educate patient and families 	<ul style="list-style-type: none"> Perform examination of eye Assist with diagnostic procedures Assist with therapeutic procedures Perform/assist with irrigations. Apply eye bandage Apply eye drops/ ointments Assist with foreign body removal. Teach patients and families 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan – 1 Observation reports of OPD & Eye bank Maintain drug book 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD/Eye bank Completion of activity record

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

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

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Areas	Duration (in wks)	Objectives of posting	Skills to be developed	Assignments	Assessment methods
			<ul style="list-style-type: none"> □ Self Breast Examination □ Warning signs • Participate in rehabilitation program 		
Critical care unit	2	<ul style="list-style-type: none"> • Provide care to critically ill patients • Counsel patient and families for grief and bereavement 	<ul style="list-style-type: none"> • Monitoring of patients in ICU • Maintain flow sheet • Care of patient on ventilators • Perform Endotracheal suction • -Demonstrates use of ventilators, cardiac monitors etc. • Collect specimens and interprets ABG analysis • Assist with arterial puncture • Maintain CVP line • Pulse oximetry • CPR- ALS • Defibrillators • Pace makers • Bag-mask ventilation • Emergency tray/ trolley-Crash Cart • Administration of drugs <ul style="list-style-type: none"> □ Infusion pump □ Epidural □ Intra thecal □ Intracardiac • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercises 	<ul style="list-style-type: none"> • Provide care to 1 assigned patient • Observation report of Critical care unit • Drugs book. 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report • Completion of activity record

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Areas	Duration (in wks)	Objectives of posting	Skills to be developed	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Counsel the patient and family in dealing with grieving and bereavement 		
Casualty/ Emergency	1	<ul style="list-style-type: none"> • Provide care to patients in emergency and disaster situation • Counsel patient and families for grief and bereavement 	<ul style="list-style-type: none"> • Practice "triage". • Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations • Assist in documentations • Assist in legal procedures in emergency unit • Participate in managing crowd • Counsel patient and families in grief and bereavement 	<ul style="list-style-type: none"> • Observation report of Emergency unit 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of observation report • Completion of activity record

Placement: Internship

Time: 9 weeks

Area	Duration (in week)	Objective	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			

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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 Objective	Content	Teaching Learning Activities	Assessment Methods
1	15	<ul style="list-style-type: none"> 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 paediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing 	<p>Introduction Modern concepts of childcare</p> <ul style="list-style-type: none"> 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 an adult and child Hospital environment for a sick child Impact of hospitalisation on the child and family. Grief and bereavement The role of a Child health nurse in caring for a hospitalised child Principles of pre and post operative care of infants and children Child health nursing procedures. 	<ul style="list-style-type: none"> Lecture Discussion Demonstration of common paediatric procedures 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with checklist

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
II	20	<ul style="list-style-type: none"> Describe the normal growth & development of children at different ages Identify the needs of children at different ages & provide parental guidance Identify the nutritional needs of children at different ages and ways of meeting the needs Appreciate the role of play for normal & sick children. Appreciate the preventive measures and strategies for children 	The healthy child <ul style="list-style-type: none"> Principles of growth and development Factors affecting growth & development Growth and development from birth to adolescence The needs of normal children through the stages of developmental and parental guidance Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary/ artificial feeding and weaning. Baby friendly hospital concept Accidents: causes and prevention Value of play and selection of play material Preventive immunization, immunization programme and cold chain Preventive paediatrics Care of under five & under five clinics/ well baby clinics 	<ul style="list-style-type: none"> Lecture Discussion Developmental study of infant and children Observation study of normal and sick child Field visit to Anganwadi, child guidance clinic Film show on breast feeding. Clinical practice/field 	<ul style="list-style-type: none"> Short answers Objective type Assessment of field visits and developmental study reports
III	15	<ul style="list-style-type: none"> Provide care to normal & high risk neonates Perform neonatal resuscitation. Recognize and manage 	Nursing care of a neonate <ul style="list-style-type: none"> Nursing care of a normal newborn/Essential newborn care Neonatal resuscitation Nursing management of a low birth weight baby. Kangaroo mother care Nursing management of common neonatal disorders 	<ul style="list-style-type: none"> Lecture Discussion Workshop on neonatal resuscitation Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with checklist

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		common neonatal problems	<ul style="list-style-type: none"> • Organization of neonatal unit. • Identification & nursing management of common congenital malformations. 		
IV	10		Integrated management of neonatal and childhood illnesses (IMNCI)		
V	20	<ul style="list-style-type: none"> • Provide nursing care in common childhood diseases • Identify measures to prevent common childhood diseases including immunization 	Nursing management in common childhood diseases <ul style="list-style-type: none"> • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders • Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease • Genito- urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders. • Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. • Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia • Endocrine disorders: Juvenile Diabetes Mellitus • Orthopedic disorders: club feet, hip dislocation and fracture. • Disorders of skin, eye, and ears • Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. • Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with checklist

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Nursing care of infant and children with HIV/AIDS. 		
VI	10	<ul style="list-style-type: none"> Manage the child with behavioural & social problems Identify the social & welfare services for challenged children 	Management of behavioural & social problems in children <ul style="list-style-type: none"> Management of common behavioural disorders Management of common psychiatric problems Management of challenged children: Mentally, Physically, & Socially challenged Welfare services for challenged children in India. Child guidance clinics 	<ul style="list-style-type: none"> Lecture: discussion Field visits to child guidance clinics, school for mentally & physically, socially challenged 	<ul style="list-style-type: none"> Short answers Objective type Assessment of field reports

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Child Health Nursing-Practical

Placement: Third Year
Fourth year

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

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

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Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Pediatric Surgery Ward	3	<ul style="list-style-type: none"> Recognize different pediatric surgical conditions/ malformations Provide pre and post operative care to children with common paediatric surgical conditions/ malformation Counsel and educate parents 	<ul style="list-style-type: none"> Calculate, prepare and administer I/V fluids Do bowel wash Care for ostomies: <ul style="list-style-type: none"> Colostomy irrigation Ureterostomy Gastrostomy Enterostomy Urinary catheterization and drainage Feeding <ul style="list-style-type: none"> Naso-gastric Gastrostomy Jejunostomy Care of surgical wounds <ul style="list-style-type: none"> Dressing Suture removal 	<ul style="list-style-type: none"> Give care to three assigned paediatric surgical patients Nursing Care Plan - 1 Case study/Presentation - 1 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Assess each skill with checklist OSCE/OSPE Evaluation of case study/ presentation Completion of activity record.
Pediatric OPD/ Immunization room	1	<ul style="list-style-type: none"> Perform assessment of children: Health, Developmental and Anthropometric Perform Immunization Give Health Education/Nutritional Education 	<ul style="list-style-type: none"> Assessment of children <ul style="list-style-type: none"> Health assessment Developmental assessment Anthropometric assessment Immunization Health/Nutritional Education 	<ul style="list-style-type: none"> Developmental study - 1 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Completion of activity record
Paediatric medicine and surgery ICU	1+1	<ul style="list-style-type: none"> Provide nursing care to critically ill children 	<ul style="list-style-type: none"> Care of a baby in incubator/warmer Care of a child on ventilator Endotracheal suction Chest physiotherapy Administer fluids with infusion pump Total parenteral nutrition Phototherapy 	<ul style="list-style-type: none"> Nursing care plan 1 Observation report 1 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Completion of activity record Evaluation of observation report

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Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> Monitoring of babies Cardio-Pulmonary resuscitation 	-	

Internship

Area	Duration (in weeks)	Objective	Skills	Assessment
Pediatric medicine ward/ICU	1	<ul style="list-style-type: none"> Provide comprehensive care to children with medical conditions 	<ul style="list-style-type: none"> Integrated Practice 	<ul style="list-style-type: none"> Assess clinical performance with rating scale
Pediatric Surgery ward/ICU	1	<ul style="list-style-type: none"> Provide comprehensive care to children with surgical conditions 	<ul style="list-style-type: none"> Integrated Practice 	<ul style="list-style-type: none"> Assess clinical performance with rating scale
NICU	1	<ul style="list-style-type: none"> Provide intensive care to neonates 	<ul style="list-style-type: none"> Integrated Practice 	<ul style="list-style-type: none"> Assess clinical performance with rating scale

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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 Objective	Content	Teaching Learning Activity	Assessment Method
I	5	<ul style="list-style-type: none"> Describes the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programmes and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour 	Introduction <ul style="list-style-type: none"> Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices. Prevalence and incidence of mental health problems and disorders. Mental Health Act National Mental health policy vis a vis National Health Policy National Mental Health programme Mental health team Nature and scope of mental health nursing Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice Concepts of normal and abnormal behaviour 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Objective type Short answer Assessment of the field visit reports
II	5	<ul style="list-style-type: none"> Defines the various terms used in mental health Nursing 	Principles and Concepts of Mental Health Nursing <ul style="list-style-type: none"> Definition: mental health nursing and terminology used Classification of mental disorders: ICD 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts Review of personality development 	<ul style="list-style-type: none"> Essay type Short answer Objective type

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
		<ul style="list-style-type: none"> Describe therapeutic impasse and its intervention 	<ul style="list-style-type: none"> Elements of nurse patient contract Review of technique of IPR-Johari Window Goals, phases, tasks, therapeutic techniques Therapeutic impasse and its intervention 		
V	14	<ul style="list-style-type: none"> Explain treatment modalities and therapies used in mental disorders and role of the nurse 	Treatment modalities and therapies used in mental disorders <ul style="list-style-type: none"> Psycho Pharmacology Psychological therapies: Therapeutic community, psycho therapy-Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback Alternative systems of medicine Occupational therapy Physical Therapy: electro convulsive therapy Geriatric considerations Role of nurse in above therapies	<ul style="list-style-type: none"> Lecture discussion Demonstration Group work Practice session Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
VI	5	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Classification: ICD Etiology, psycho-pathology, types, clinical manifestations, diagnosis Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient management problems

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> Geriatric considerations Follow-up and home care and rehabilitation 		
VII	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders 	Nursing management of patient with mood disorders <ul style="list-style-type: none"> Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc Etiology, psycho-pathology, clinical manifestations, diagnosis, Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with mood disorders Geriatric considerations Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient management problems
VIII	8	<ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient management problems

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
		manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	<ul style="list-style-type: none"> Etiology, psycho-pathology, characteristics, diagnosis Nursing Assessment-History, Physical, mental and IQ assessment Treatment modalities and nursing management of childhood disorders including mental deficiency Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Clinical practice 	management problems
XII	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of organic brain disorders. 	Nursing management of organic brain disorders <ul style="list-style-type: none"> Classification: ICD? Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers) Nursing Assessment-History, Physical, mental and neurological assessment Treatment modalities and nursing management of organic brain disorders Geriatric considerations Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient management problems
XIII	6	<ul style="list-style-type: none"> Identify psychiatric emergencies and carry out crisis intervention 	Psychiatric emergencies and crisis intervention <ul style="list-style-type: none"> Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism Grief: Theories of grieving process, principles, techniques of counselling Types of crisis Crisis Intervention: Principles, Techniques and Process Geriatric considerations Role and responsibilities of nurse 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	Legal issues in Mental Health Nursing <ul style="list-style-type: none"> • The Mental Health Act 1987: Act, Sections, Articles and their implications etc. • Indian Lunacy Act, 1912 • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures Role and responsibilities of nurse	<ul style="list-style-type: none"> • Lecture discussion • Case discussion 	<ul style="list-style-type: none"> • Short answers • Objective type
XV	4	<ul style="list-style-type: none"> • Describe the model of preventive psychiatry • Describes Community Mental health services and role of the nurse 	Community Mental Health Nursing <ul style="list-style-type: none"> • Development of Community Mental Health Services: • National Mental Health Programme • Institutionalization Versus Deinstitutionalization • Model of Preventive psychiatry: Levels of Prevention • Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV /AIDS etc. 	<ul style="list-style-type: none"> • Lecture discussion • Clinical/field practice • Field visits to mental health service agencies 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of the field visit reports

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Mental Health Nursing-Practical

Placement: Third Year
Fourth year

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

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Psychiatric OPD	1	<ul style="list-style-type: none"> Assess patients with mental health problems Observe and assist in therapies Counsel and educate patient, and families 	<ul style="list-style-type: none"> History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination Observe and assist in therapies Teach patients and family members 	<ul style="list-style-type: none"> History taking and Mental status examination- 2 Health education- 1 Observation report of OPD 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of observation report Completion of activity record.
Child Guidance clinic	1	<ul style="list-style-type: none"> Assessment of children with various mental health problems Counsel and educate children, families and significant others 	<ul style="list-style-type: none"> History taking Assist in psychometric assessment Observe and assist in various therapies Teach family and significant others 	<ul style="list-style-type: none"> Case work-1 Observation report of different therapies-1 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report
Inpatient ward	6	<ul style="list-style-type: none"> Assess patients with mental health problems To provide nursing care for patients with various mental health problems 	<ul style="list-style-type: none"> History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment 	<ul style="list-style-type: none"> Give care to 2-3 patients with various mental disorders Case study- 1 Care plan -2 Clinical presentation 1 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of the case study.

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Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> Assist in various therapies Counsel and educate patients, families and significant others 	<ul style="list-style-type: none"> Record therapeutic communication Administer medications Assist in Electro-convulsive Therapy (ECT) Participate in all therapies Prepare patients for Activities of Daily living (ADL) Conduct admission and discharge counselling Counsel and teach patients and families 	<ul style="list-style-type: none"> Process recording 2 Maintain drug book 	<ul style="list-style-type: none"> care plan, clinical presentation, process recording Completion of activity record.
Community psychiatry	1	<ul style="list-style-type: none"> To identify patients with various mental disorders To motivate patients for early treatment and follow up To assist in follow up clinic Counsel and educate patient, family and community 	<ul style="list-style-type: none"> Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community 	<ul style="list-style-type: none"> Case work-1 Observation report on field visits 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of case work and observation report Completion of activity record

Internship

Area	Duration	Objective	Skills	Assessment
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice	Assess clinical performance with rating scale

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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 woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
			<p>relations, musculature – blood-supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritonium.</p> <ul style="list-style-type: none"> • Physiology of menstrual cycle • Human sexuality • Foetal development <ul style="list-style-type: none"> □ Conception □ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term – functions, abnormalities, the foetal sac, amniotic fluid, the umbilical chord. □ Foetal circulation, foetal skull, bones, sutures and measurements. • Review of Genetics 		
III	8	<ul style="list-style-type: none"> • Describe the diagnosis and management of women during antenatal period. 	<p>Assessment and management of pregnancy (ante-natal)</p> <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy. <ul style="list-style-type: none"> □ 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 <ul style="list-style-type: none"> □ Signs □ Differential diagnosis □ Confirmatory tests • Ante-natal care <ul style="list-style-type: none"> □ Objectives □ Assessment <ul style="list-style-type: none"> - History and physical examination - Antenatal Examination - Signs of previous child-birth 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Health talk • Practice session • Counseling session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problems

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

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

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
			<ul style="list-style-type: none"> Family dynamics after child-birth. Family welfare services; methods, counselling Follow-up Records and reports 		of patient management problems
VI	6	<ul style="list-style-type: none"> Describe the assessment and management of normal neonate 	<ul style="list-style-type: none"> Assessment and management of normal neonates Normal Neonate; <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
VII	10	<ul style="list-style-type: none"> Describe the Identification and management of women with high risk pregnancy 	<ul style="list-style-type: none"> High-risk pregnancy – assessment & management Screening and assessment. <ul style="list-style-type: none"> Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive, Newer modalities of diagnosis High-risk approach Levels of care; primary, secondary and tertiary levels Disorders of pregnancy <ul style="list-style-type: none"> Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic Pregnancy, vesicular mole, Ante-partum haemorrhage. Uterine abnormality and displacement. Diseases complicating pregnancy <ul style="list-style-type: none"> Medical and surgical conditions Infections, RTI (STD), UTI, HIV, TORCH 	<ul style="list-style-type: none"> Lecture discussion Demonstrate using video films, scan reports, partograph etc Case discussion/presentation Health talk Practice Session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
			<ul style="list-style-type: none"> □ Gynaecological diseases complicating pregnancy □ Pregnancy induced hypertension & diabetes, Toxemia 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 		
VII I	10	<ul style="list-style-type: none"> • Describe management of abnormal labour. • And obstetrical emergencies 	<p>Abnormal Labour – assessment and management</p> <ul style="list-style-type: none"> • Disorders in labour <ul style="list-style-type: none"> □ 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; <ul style="list-style-type: none"> □ Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock • Obstetrical procedures and operations; <ul style="list-style-type: none"> □ Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations • Nursing management of women undergoing Obstetrical operations and procedures 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Practice Session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with checklist. • Assessment of patient management problems
IX	4	<ul style="list-style-type: none"> • Describe management 	<p>Abnormalities during Postnatal Periods</p>	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Essay type • Short answers

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
		of post natal complications	<ul style="list-style-type: none"> Assessment and management of woman with postnatal complications □ Puerperial infections, breast engorgement & infections, UTI, thrombo-Embohc disorders, post-partum haemorrhage, Eclampsia and subinvolution, □ Psychological complications: <ul style="list-style-type: none"> - Post partum Blues - Post partum Depression - Post partum Psychosis 	<ul style="list-style-type: none"> Demonstration Case discussion/ presentation Supervised Clinical practice 	<ul style="list-style-type: none"> Objective type Assessment of skills with checklist. Assessment of patient management problems
X	10	<ul style="list-style-type: none"> Identify the high risk neonates and their nursing management 	<p>Assessment and management of High risk newborn</p> <ul style="list-style-type: none"> Admission of neonates in the neonatal intensive care units-protocols Nursing management of: <ul style="list-style-type: none"> - Low birth weight babies - Infections - Respiratory problems - haemolytic disorders - Birth injuries - Malformations Monitoring of high risk neonates Feeding of high risk neonates Organisation and management of neonatal intensive care units Infection control in neonatal intensive care units Maintenance of reports and records. 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Case discussion/ presentation Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with checklist. Assessment of patient management problems
XI	4	<ul style="list-style-type: none"> Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers 	<p>Pharmaco-therapeutics in obstetrics</p> <ul style="list-style-type: none"> Indication, dosage, action, contra indication and side effects of drugs Effect of drugs on pregnancy, labour & puerperium, Nursing responsibilities in the administration of drug in Obstetrics – oxytocins, antihypertensives, diuretics, tocolytic agents, anti-convulsants; Analgesics and anesthetics in obstetrics. Effects of maternal medication on foetus and neonate 	<ul style="list-style-type: none"> Lecture discussion Drug book Drug presentation 	<ul style="list-style-type: none"> Short answers Objective type

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Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
XII	10	<ul style="list-style-type: none"> Appreciate the importance of family welfare programme Describe the methods of contraception and role of nurse in family welfare programme 	Family Welfare Programme <ul style="list-style-type: none"> Population trends and problems in India Concepts, aims, importance and history of family welfare programme National Population: dynamics, policy and education National family welfare programme; RCH, ICDS, MCH, 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 voluntary organizations Role of a nurse in family welfare programme Training/Supervision/Collaboration with other functionaries in community like ANMs, LHV's, Anganwadi workers, TBAs(Traditional birth attendant-Dai) 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised practice Group project Counseling session Field visits 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list, project and field visits reports

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Midwifery and Obstetrical Nursing- Practical

Placement: Third Year
Fourth Year

Time: Practical - 180 hours (Third year)
Internship - 240 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
Antenatal clinic/ OPD	2	<ul style="list-style-type: none"> Assessment of pregnant women 	<ul style="list-style-type: none"> Antenatal history taking Physical examination Recording of Weight & B.P Hb & Urine testing for sugar and albumin Antenatal examination- abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records 	<ul style="list-style-type: none"> *Conduct Antenatal Examinations 30 Health talk - 1 Case book recordings 	<ul style="list-style-type: none"> Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T.	4	<ul style="list-style-type: none"> Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Caesarean Sections, 	<ul style="list-style-type: none"> Assessment of Woman in labour Pervaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns 	<ul style="list-style-type: none"> *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 	<ul style="list-style-type: none"> Assessment of clinical performance with rating scale Assessment of each skill With checklists Completion of Case book recordings

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Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
		MTP and other surgical procedures	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Assist with MTP and other surgical procedures -1 Case book recordings 	
Post natal ward	4	<ul style="list-style-type: none"> Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood 	<ul style="list-style-type: none"> Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation management Breast feeding Baby bath Immunization Teaching postnatal mother: <ul style="list-style-type: none"> □ Mother craft □ Post natal care & □ Exercises □ Immunization 	<ul style="list-style-type: none"> *Give care to Post natal mothers - 20 Health talks -1 Case study - 1 Case presentation - 1 Case book recordings 	<ul style="list-style-type: none"> Assessment of clinical performance Assessment of each skill With checklists Completion of Case book recording Evaluation of case study and presentation and health education sessions
Newborn nursery	2	<ul style="list-style-type: none"> Provide nursing care to newborn at risk 	<ul style="list-style-type: none"> Newborn assessment Admission of neonates Feeding of at risk neonates 	<ul style="list-style-type: none"> Case study -1 Observation Study - 1 	<ul style="list-style-type: none"> Assessment of clinical performance Assessment of each skill With checklists Evaluation

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

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*** 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

Area	Duration (In Weeks)	Objective	Skills	Assignment	Assessment methods
Labour ward	2	<ul style="list-style-type: none"> Provide comprehensive care to mothers and neonates 	<ul style="list-style-type: none"> Integrated Practice 	<ul style="list-style-type: none"> Completion of other essential requirements Case book recordings 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Completion of case book recordings
Neonatal intensive care unit / NICU	1				
Antenatal	2				

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Community Health Nursing-II

Placement: Fourth year

Time: Theory - 90 hours
Practical-135 hours

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

Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
I	4	<ul style="list-style-type: none"> Define concepts, scope, principles and historical development of Community Health and community health Nursing 	<p>Introduction</p> <ul style="list-style-type: none"> Definition, concept & scope of Community Health and Community Health Nursing Historical development of <ul style="list-style-type: none"> Community health Community health Nursing. <ul style="list-style-type: none"> Pre-independence Post-independence Roles and responsibilities of Mid-Level Healthcare Providers (MLHP) <p>Field Work</p> <ul style="list-style-type: none"> Visit to a local area to document environmental assets - river/forest/grassland/hill/mountain Visit to a local polluted site-Urban/Rural/Industrial/Agriculture Study of common plants, insects, birds Study of simple ecosystems-pond, river, hill, slopes, etc. 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answers
II	6	<ul style="list-style-type: none"> Describe health plans, policies, various health committees and health problems in India 	<p>Health planning and policies and problems</p> <ul style="list-style-type: none"> National health planning in India- Five Year Plans Various committees and commissions on health and family welfare <ul style="list-style-type: none"> Central council for health and family welfare (CCH and FW) National health policies (19d3,2002) National population policy *AYUSHMAN BHARAT- The up gradation of sub-centers into wellness centers, Concept of Comprehensive primary health care and key elements of CPHC. Service delivery and continuum of care and Roles of Mid-level health care providers(MLHP) * Social mobilization skills * Behavior change communication and soft skills * Family planning 2020 * National family planning programmes <p>« Health problems in India</p> <p>Ecosystems</p> <ul style="list-style-type: none"> Concept of an ecosystem Structure and function of an ecosystem Producers, consumers and decomposers Energy flow in the ecosystem Ecological succession Food chains, food webs and ecological pyramids Introduction, types, characteristic features, structure and function of the following ecosystem :- <ol style="list-style-type: none"> Forest ecosystem Grassland ecosystem Desert ecosystem Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries) 	<ul style="list-style-type: none"> Lecture discussion Panel discussion 	<ul style="list-style-type: none"> Essay type Short answer

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III	15	<ul style="list-style-type: none"> Describe the system of delivery of community health services in rural and urban areas 	<p>Delivery of community health services</p> <p>» Planning, budgeting and material management of SCs , PHC afd,CHC</p> <ul style="list-style-type: none"> Rural: Organization, staffing and functions of rural health services provided by government at: Diagnosing and treatment skills essential at sub-centre level using Standard treatment protocols as per national health programmes Introduction to Rashtriya Bal Sureksha Karyakaram (RBSK) Drug dispensing 	<ul style="list-style-type: none"> Lecture discussion Visits to various health delivery systems Supervised field practice Panel discussion 	<ul style="list-style-type: none"> Essay type Short answer
Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> O Village O Subcentre O Primary health centre O Community health center / subdivisional O Hospital O District O State O Centre Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> O Slums O Dispensaries O Maternal and child health centers O Special Clinics O Hospitals O Corporation / Municipality/Board Components of health services <ul style="list-style-type: none"> O Environmental sanitation O Health education O Vital statistics O M.C.H.-antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act O Family Welfare O National health programmes O School health services n Occupational health O Defence services O Institutional services Systems of medicine and health care <ul style="list-style-type: none"> O Allopathy O Indian System of Medicine and Homeopathy O Alternative health care systems like yoga, meditation, social and spiritual healing etc Referral system 		

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

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Unit	Time (Nrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Qualities of Community Health Nurse Job Description of Community health nursing personnel 		
V	15	<ul style="list-style-type: none"> Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health 	<p>Assisting individuals and groups to promote and maintain their health</p> <ul style="list-style-type: none"> Empowerment for self care of individuals, families and groups New national health programmes Programme management including supervision and monitoring Organization of labour room Safe child birth checklist Postpartum visits by health workers <p>in</p> <p>A. Assessment of self and family</p> <p>O Monitoring growth and development</p> <ul style="list-style-type: none"> Mile stones Weight measurement Social development Temperature and Blood pressure monitoring Menstrual cycle <p>O Breast self examination and testicles</p> <ul style="list-style-type: none"> Warning Signs of various diseases - Tests: Urine for sugar and albumin, blood sugar <p>B. Seek health services for</p> <p>O Routine checkup O Immunization</p> <p>n Counseling O Diagnosis O Treatment O Follow up</p> <p>C. Maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p>	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised field practice Individual/group/family/community health education 	<ul style="list-style-type: none"> Essay type Short answers

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Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>E. Carryout therapeutic procedures as prescribed/ required for self and family</p> <p>F. Waste Management</p> <ul style="list-style-type: none"> • Collection and disposal of waste at home and community <p>G. Sensitive and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse <p>H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> * Trauma services * Old age homes * Orphanage * Homes for physically and mentally challenged individuals * Homes for destitute 		
VI	20	<ul style="list-style-type: none"> • Describe national health and family welfare programmes and role of a nurse • Describe the VNOU S health schemes in India 	<p>National health and family welfare programmes and the role of a nurse</p> <ol style="list-style-type: none"> 1) National ARI programme 2) Revised National Tuberculosis Control Programme (RNTCP) 3) National Anti- Malaria programme 4) National Filaria control programme 5) National Guinea worm eradication programme 6) National Leprosy eradication programme 7) National AIDS control programme 8) STD control programme 9) National programme for control of blindness 	<ul style="list-style-type: none"> • Lecture discussion • Participation in national health programmes • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers

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Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment Methods
			<p>10) Iodine deficiency disorder programme</p> <p>11) Expanded programme on immunization</p> <p>12) National Family Welfare Program-RCH Program historical development, organisation, administration, research, constraints</p> <p>13) National water supply and sanitation programme</p> <p>14) Minimum Need programme</p> <p>15) National Diabetics control programme</p> <p>16) Polio Eradication: Pulse Polio Programme</p> <p>17) National Cancer Control Programme</p> <p>18) Yaws Eradication Programme</p> <p>19) National Nutritional Anemia Prophylaxis programme</p> <p>20) 20 point programme</p> <p>21) ICDS programme</p> <p>22) Mid-day meal applied nutritional programme</p> <p>23) National mental health programme</p> <p>Investigation of an outbreak</p> <p>Chikungunya</p> <p>Food born diseases</p> <p>« Health schemes O ESI CGHS Health insurance</p> <p>Environmental Pollutions Definition</p> <ul style="list-style-type: none"> • Cause, effects and control measures of - <ul style="list-style-type: none"> a. Air pollution b. Water pollution c. Soil pollution d. Marine pollution e. Noise pollution f. Thermal pollution 8. Nuclear pollution • Solid Waste Management : Causes, effects and control measures of urban and industrial wastes. • Role of an individual in prevention of pollution • Pollution case studies • Disaster management: floods, earthquake, cyclone and landslides 		
VII	5	Explain the roles and functions of various national and international health agencies	<ul style="list-style-type: none"> • Health Agencies International - WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. National - Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc. *Integrated Disease Surveillance Project (IDSP) *. Mother and Child Tracking System (MCTS) • Social Issues and the Environment <ul style="list-style-type: none"> • From Unsustainable to Sustainable development • Urban problems related to energy • Water conservation, rain water harvesting, watershed management • Resettlement and rehabilitation of people, its problems and concerns. Case studies • Environmental ethics : Issues and possible solutions • Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies • Wasteland reclamation • Consumerism and waste products • Environment Protection Act • Air (Prevention and Control of Pollution) Act • Water (Prevention and Control of Pollution) Act • Wildlife Protection Act • Forest Conservation Act • Issues involved in enforcement of environmental legislation • Public awareness 	<ul style="list-style-type: none"> • Lecture discussion • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers

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Community Health Nursing-II- Practical

Placement: Fourth Year

Time: Practical- 135 hours
Internship- 195 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	1 wk for urban 4 wk for rural	<ul style="list-style-type: none"> Identify community profile Identify prevalent communicable and non-communicable diseases Diagnose health needs of individual, families and community Plan, provide and evaluate care Participate in school health program Participate in national health programs Organize group for self help and involve clients in their own health activities Provide family welfare services Counsel and 	<ul style="list-style-type: none"> Community health survey Community diagnosis Family care: Home adaptation of common procedures Home visit: Bag technique Organize and conduct clinics- antenatal, post natal, well baby clinic, camps etc Screen manage and referrals for: <ul style="list-style-type: none"> High risk mothers and neonates Accidents and emergencies Illnesses: Physical and mental Disabilities Conduct delivery at centre/home: episiotomy and suturing Resuscitate newborn School Health programme <ul style="list-style-type: none"> Screen, manage, refer children Collaborate with health and allied 	<ul style="list-style-type: none"> Community survey report-1 Family care study- 1 Project-1 Health talk-1 Case book recording 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Evaluation of community survey report, family care study, project and health talk Completion of activity record. Completion of case book recording

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Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
		educate individual, family and community <ul style="list-style-type: none"> • Collect Vital health statistics • Maintain Records & reports 	agencies <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> □ Individual, family and administrative records. □ Write reports-center, disease, national health programme/ projects, 		

Placement: Internship

Time: 4 Weeks

Area	Duration	Objective	Skills	Assessment
Urban	4 weeks	<ul style="list-style-type: none"> • Provide comprehensive care to individual, family and community 	<ul style="list-style-type: none"> • Integrated Practice and group project- I in each rural and urban 	<ul style="list-style-type: none"> • 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

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Nursing Research and Statistics

Placement: Fourth Year
Internship

Time: Theory - 45 Hours
Practical- 45 Hours

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

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

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Unit	Time (Hrs)	Learning Objectives	Content	Training Learning Activities	Assessment Methods
IV	4	<ul style="list-style-type: none"> Describe the research approaches and designs 	Research approaches and designs <ul style="list-style-type: none"> Historical, survey and experimental Qualitative and Quantitative designs 	<ul style="list-style-type: none"> Lecture Discussion Explain types of research approaches used from examples of published and unpublished research studies with rationale. 	<ul style="list-style-type: none"> Short answer Objective type
V	8	<ul style="list-style-type: none"> Explain the sampling process Describe the methods of data collection 	Sampling and data collection <ul style="list-style-type: none"> Definition of Population, Sample, Sampling criteria, factors influencing sampling process, types of sampling techniques. Data- why, what, from whom, when and where to collect. Data collection methods and instruments: <ul style="list-style-type: none"> Methods of data collection Questioning, interviewing Observations, record analysis and measurement Types of instruments Validity & Reliability of the Instrument Pilot study Data collection procedure 	<ul style="list-style-type: none"> Lecture Discussion Reading assignment on examples of data collection tools. Preparation of sample data collection tool. Conduct group research project 	<ul style="list-style-type: none"> Short answer Objective type
VI	4	<ul style="list-style-type: none"> Analyze, Interpret and summarize the research data 	Analysis of data: <ul style="list-style-type: none"> Compilation, Tabulation, classification, summarization, presentation, interpretation of data 	<ul style="list-style-type: none"> Lecture Discussion Preparation of sample tables. 	<ul style="list-style-type: none"> Short answer Objective type

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

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Management of Nursing Services and Education

Placement: Fourth year

Time: Theory - 90 hrs

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

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

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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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				(Leading) • Controlling: Quality management • Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart),		
III	8	20	• Describe the Management of nursing services in the hospital and Community	Management of nursing services in the hospital and Community • Planning: □ Hospital and patient care units including ward management □ Emergency and disaster management • Human resource management: □ Recruiting, selecting, deployment, retaining, promoting, superannuation etc □ Categories of nursing personnel including job description of all levels □ Patient/population classification systems □ Patients/population assignment and Nursing care responsibilities □ Staff development and welfare • Budgeting: proposal, projecting requirements for staff, equipments and supplies for □ Hospital and patient care units	• Lecture Discussion • Demonstration • Simulated Exercises • Case studies • Supervised practice in ward- writing indents, preparing duty roster, ward supervision • Assignment on duties and responsibilities of ward sister • Writing report	• Essay type • Short answers • Assessment of problem solving exercises. • Assessment of the assignments • Performance evaluation by ward sister with rating scale

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				<ul style="list-style-type: none"> □ Emergency and disaster management • Material Management: procurement, inventory control, auditing and maintenance in <ul style="list-style-type: none"> □ Hospital and patient care units □ Emergency and disaster management • Directing and leading: delegation, participatory management <ul style="list-style-type: none"> □ Assignments, rotations, delegations □ Supervision & guidance □ Implement Standards, policies, procedures and practices □ Staff development and welfare □ Maintenance of discipline • Controlling /Evaluation: <ul style="list-style-type: none"> □ Nursing Rounds/Visits, Nursing protocols, Manuals □ Quality Assurance Model, documentation- □ Records and reports Performance appraisal 		

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IV	5		<ul style="list-style-type: none"> Describe the concepts, theories and techniques of Organizational behaviour and human relations 	Organizational behaviour and human relations <ul style="list-style-type: none"> Concepts and theories of organizational behaviours Review of Channels of communication Leadership styles Review of Motivation; concepts and theories Group dynamics Techniques of; <ul style="list-style-type: none"> □ Communication; and □ Interpersonal relationships □ Human relations; Public relations in context of nursing Relations with professional associations and employee unions and Collective bargaining 	<ul style="list-style-type: none"> Lecture Discussion Role plays Group games Self assessment Case discussion Practice Session 	<ul style="list-style-type: none"> Essay type Short answers Assessment of problem solving
V	5	5	<ul style="list-style-type: none"> Participate in planning and organizing in service education program 	In service education <ul style="list-style-type: none"> Nature & scope of in-service education program, Organization of in service education Principles of adult learning, Planning for in-service education program, techniques, methods & evaluation of staff education program Preparation of report 	<ul style="list-style-type: none"> Lecture Discussion Plan & conduct an educational session for in service nursing personnel 	<ul style="list-style-type: none"> Short Answer Objective type Assess the planning & conduct of the educational session
VI	10		<ul style="list-style-type: none"> Describe management of Nursing educational institutions 	Management of nursing educational institutions <ul style="list-style-type: none"> Establishment of Nursing educational institution-INC norms 	<ul style="list-style-type: none"> Lecture Discussion Role plays Counseling session Group Exercises 	<ul style="list-style-type: none"> Essay type Short answers

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				and guidelines <ul style="list-style-type: none"> • Co-ordination with- <ul style="list-style-type: none"> □ Regulatory bodies □ Accreditation □ Affiliation <ul style="list-style-type: none"> - Philosophy/objectives - Organization □ Structure □ Committees <ul style="list-style-type: none"> - Physical facilities □ College/School □ Hostel <ul style="list-style-type: none"> - Students <ul style="list-style-type: none"> ○ Selection ○ Admission ○ Guidance and Counseling ○ Maintaining discipline <ul style="list-style-type: none"> - Faculty and staff <ul style="list-style-type: none"> □ Selection □ Recruitment □ Job description □ Placement □ Performance appraisal □ Development and welfare • Budgeting • Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc • Curriculum: Planning, implementation and evaluation. • Clinical facilities • Transport facilities • Institutional Records and reports-administrative, faculty, 		

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VII	10		<ul style="list-style-type: none"> Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards 	Nursing as a profession <ul style="list-style-type: none"> Nursing as a profession <ul style="list-style-type: none"> Philosophy; nursing practice Aims and objectives Characteristics of a professional nurse Regulatory bodies; INC, SNC Acts; - constitution, functions Current trends and issues in Nursing Professional ethics <ul style="list-style-type: none"> Code of ethics; INC, ICN Code of Professional conduct; INC, ICN Practice standards for Nursing; INC Consumer protection act Legal Aspects in Nursing <ul style="list-style-type: none"> Legal terms related to practice; registration and licensing Laws related to nursing practice; Breach and penalties Malpractice and negligence 	<ul style="list-style-type: none"> Lecture Discussion Case discussion Panel discussion Role plays Critical incidents Visit to INC/SNRCs 	<ul style="list-style-type: none"> Short answers Assessment of critical incidents
VIII	3		<ul style="list-style-type: none"> Explain the various opportunities for professional advancement 	Professional Advancement: <ul style="list-style-type: none"> Continuing education Career Opportunities Collective bargaining <ul style="list-style-type: none"> Membership with Professional organizations; National and International Participation in research activities Publications; Journals, newspapers etc. 	<ul style="list-style-type: none"> Lecture Discussion <ul style="list-style-type: none"> Review/ Presentation of published articles Group work on maintenance of bulletin board 	<ul style="list-style-type: none"> Short answers

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