



॥ ज्ञाने इति श्रुतुदेव ॥

Adichunchanagiri University
Adichunchanagiri College of Nursing



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SYLLABUS

***Revised Basic B. Sc Nursing
2020***

I Program Outcome

- Understand the basic biological sciences and psychosocial aspects of health and illness and its use in care of patients.
- Apply knowledge and critical thinking skills and ethical principles in evidence based nursing practice.
- Prepare competent nursing professionals with human values to provide quality nursing care globally.
- Practice comprehensive nursing care for individual, community and society at large.
- Demonstrate values, knowledge, skills and attitudes appropriate to the profession and also respect for the dignity of each individuals and for human diversity.
- Demonstrate leadership and teaching skills in nursing education and practice.
- Demonstrate effective communication and decision making abilities and managerial skills in providing quality nursing care in various health care settings.
- Engage in continuous professional and personal development and update with latest technologies, trends and issues in health care setting.

To qualify the course a student is required to secure a minimum of 50% marks separately i.e. both Internal and University examination. A candidate who secures less than of 50% of marks in a course/subject shall be deemed to have failed in that course/subject.

A candidate failing in any number of subjects will be promoted to next higher class. The candidate shall clear all the subjects of previous years before appearing in the final year examination. If a candidate fails in either theory or practical, he/she have to reappear in both. In case of Kannada, Introduction to computer sciences, English & environmental science the pass % would be 40% marks.

II Question Paper Structure

The question paper shall have three sections and examiner shall set questions specific to respective section. Section wise details shall be as mentioned under; consist of eight questions.

Section I: It shall consist of long essay type questions. This section will also contain three questions and every question should assess the specific COs. Student must attempt any two questions which should be from the entire syllabus, each question shall have equal weightage of ten marks and total weightage of this section shall be 20 Marks.

Section II: It shall consist of short essay type questions. This section will essentially assess COs related to remembering and understanding. This section will contain nine questions and student must attempt any seven questions, each question shall have equal weightage of five marks and total weightage of this section shall be 35 Marks.

Section III: It shall consist of short answer type questions. This section will also contain ten questions and every question should assess the specific COs. Student must attempt all ten questions which should be from the entire syllabus, each question shall have equal weightage of two marks and total weightage of this section shall be 20 Marks.

B. Sc Nursing Program - Four Years

OUTCOME BASED EDUCATION

III Study and Evaluation Scheme

A	Programme	Basic B. Sc Nursing					
B	Duration	Four Year [Annual System]					
C	Medium	English					
Minimum Required Attendance							
D	Theory	Clinical					
		For Appearing in Examination				For Getting Degree	
	80%	100%				100%	
Credit required for the Degree Assessment							
E	Internal			External		Total	
	25%			75%		100%	
Internal Evaluation							
F	I IA	II IA	III IA	Academic Activity	Assignment	Attendance	Total
	(15)	(15)	(15)				
	Best of two out of the three (15)			(2)	(3)	(5)	(25)
Evaluation of Practical/Dissertations and Project Reports							
G	Internal			External		Total	
	50%			50%		100%	
Duration of Examination							
H	External				Internal		
	3 Hours				1 Hours		

Attendance

A minimum of not less than 80 % attendance in theory and practical / clinical separately in each subject in each academic year is essential for appearing in the examination. A candidate pursuing in the course shall study in the college for the entire period as a full time student. No candidate is permitted to work in a hospital / nursing home / laboratory / college while studying this course. No candidate should join any other course of study or appear for any other examination conducted by this university or any other university in India or abroad during the period of registration. Each academic year shall be taken as a unit for calculating the attendance.

Schedule of Examination

The university shall conduct two examinations annually at an interval of not less than 4 to 6 months as notified by the university from time to time. A candidate who satisfies the requirement of attendance, progress and conduct as stipulated by the university shall be eligible to appear for the university examination. Certificate to that effect shall be produced from the Head of the institution along with the application for examination and the prescribed fee.

Question Paper Setting

4 sets of Question papers are procured/obtained for each paper of the subject, equally from the Internal and External Paper Setters selected from the approved panel of examiners

Gap between each theory paper of examination

One-day gap between each theory paper of the examination of all the courses under ACU

IV EXAMINATION PATTERN

First year Basic B.Sc. Nursing

Subjects	Internal Assessment	University Examination	Total
1. English	25*	75*	100*
2. Anatomy	25	37	100
3. Physiology		38	
4. Nutrition	25	45	100
5. Biochemistry		30	
6. Nursing Foundation	25	75	100
7. Psychology	25	75	100
8. Microbiology	25	75	100
9. Nursing Foundation-Practical	100	100	200
10. Introduction to Computers	25*	75*	100*
11 Kannada	25*	75*	100*

Second Year Basic B.Sc. Nursing

Subjects	Internal Assessment	University Examination	Total
1. Sociology	25	75	100
2. Pharmacology	25	38	100
3. Pathology		25	
4. Genetics		12	
5. Medical Surgical Nursing (Adult including geriatrics)	25	75	100
6. Community Health Nursing	25	75	100
7. Communication and Educational Technology	25	75	100
8. Medical Surgical Nursing (Adult including geriatrics)-Practical	100	100	200

Third Year Basic B.Sc. Nursing

Subjects	Internal Assessment	University Examination	Total
1. Medical-Surgical Nursing (Adult including geriatrics)-II	25	75	100
2. Child Health Nursing	25	75	100

3. Mental Health Nursing	25	75	100
4. Nursing Research & Statistics	25	75	100
5. Medical-Surgical Nursing (Adult including geriatrics)-II -Practical	50	50	100
6. Child Health Nursing-Practical	50	50	100
7. Mental Health Nursing-Practical	50	50	100
8. Environmental studies	25*	75*	100*

Fourth Year Basic B.Sc. Nursing

Subjects	Internal Assessment	University Examination	Total
1. Midwifery and Obstetrical Nursing	25	75	100
2. Community Health Nursing – II	25	75	100
3. Midwifery and Obstetrical Nursing-Practical	50	50	100
4. Community Health Nursing – II-Practical	50	50	100
5. Management of Nursing Services and Education	25	75	100

Note: College will conduct the English, Kannada, Intr. to Computer Sciences and Environmental Sciences as college examination. Marks to be sent to the university

V Curricular Framework

First year Basic B.Sc. Nursing

Subjects	Theory Hours	Practical / Clinical Hours	Hours
1. English	60		
2. Anatomy	60		
3. Physiology	60		
4. Nutrition	60		
5. Biochemistry	30		
6. Nursing Foundations	265 + 200	450	
7. Psychology	60		

8. Microbiology	60		
9. English	60		
9. Introduction to Computers	45		
10 Kannada	30		
11 Library work / Self Study			50
12 Co-curricular activities			50
TOTAL	930	450	100
TOTAL HOURS = 1480 Hours			

Second Year Basic B.Sc. Nursing			
Subjects	Theory Hours	Practical / Clinical Hours	Hours
1. Sociology	60		
2. Pharmacology	45		
3. Pathology	45		
4. Genetics	15		
5. Medical Surgical Nursing (Adult including geriatrics)	210	720	
6. Community Health Nursing	90	135	
7. Communication and Educational Technology	60 + 30		
8. Library work / Self Study			50
9. Co-curricular activities			35
TOTAL	555	855	85
TOTAL HOURS = 1495 Hours			

Third Year Basic B.Sc. Nursing			
Subjects	Theory Hours	Practical Hours (Clinical)	Hours
1. Medical-Surgical Nursing (Adult including geriatrics)-II	120	270	
2. Child Health Nursing	90	270	

3. Mental Health Nursing	90	270	
4. Nursing Research & Statistics	45	* Project	
5. Environmental studies	25		
6. Library work / Self Study			50
7. Co-curricular activities			50
TOTAL	345	810+100*	100
TOTAL HOURS = 1355* HRS			

Fourth Year Basic B.Sc. Nursing		
Subjects	Theory Hours	Practical / Clinical Hours
1. Midwifery and Obstetrical Nursing	90	360
2. Community Health Nursing – II	90	135
3. Management of Nursing Services and Education	60 + 30	
TOTAL	270	495
TOTAL HOURS = 765 HRS		

Year		IV Year Basic B. Sc Nursing (Internship) 6 Months Integrated Practice	
Sl. No	Subject	Practical (In Hrs)	In Weeks
1	Midwifery and Obstetric Nursing	240	05
2	Community Health Nursing-II	195	04
3	Medical Surgical Nursing (Adult and Geriatric)	430	09
4	Child Health Nursing	145	03
5	Mental Health Nursing	95	02
Total		1105	23

Note:

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

VI Syllabus

Year	I Year
Subject	Anatomy & Physiology
THEORY	PRACTICAL
60+60	-

Part A: Anatomy

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.

Course Outcome

- ⇒ Understanding the anatomical terms, structure and organizations of the human body.
- ⇒ Applying the knowledge of anatomy and physiology in practice of nursing.
- ⇒ Demonstrating anatomical structures of human body.
- ⇒ Analyzing the physiological functions of human body and its nursing implications.
- ⇒ Evaluating the alterations in structure and functions of human body and its nursing implications.
- ⇒ Creating anatomical models of different parts of human organs.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	5	Introduction to Anatomical terms organization of the human body * Human Cell structure * Tissues – Definition, Types, characteristics, classification, location, functions & formation. * Membranes and glands – classification and structure Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using charts, microscopic slides, Skeleton & torso * Demonstrate cells, types of tissues membranes and glands Record book	* Essay type * Objective type * Fill in the Blanks
II	6	The Skeletal System * Bones – types, structure, Axial & Appendicular Skeleton, * Bone formation and growth * Description of bones * Joints classification and structure Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using charts, skeleton, loose bones and joints Record book	* Essay type * Objective type * Fill in the Blanks
III	7	The Muscular System * Types and structure of muscles * Muscl groups Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using chart, models and films * Demonstrate muscular movements * Record book	* Essay type * Objective type * Fill in the Blanks
IV	6	The nervous System * Structure of neurologia & neurons <ul style="list-style-type: none"> ▪ Somatic Nervoussystem Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves * Autonomic Nervous System – Sympathetic, parasympathetic <ul style="list-style-type: none"> ▪ Structure, location Alterations in disease * Applications and implications in nursing	* Lecture discussion * Explain using models, charts, slides, specimens * Record book	* Essay type * Objective type * Fill in the Blanks
		The Sensory Organs * Structure of skin, eye, ear, nose tongue, (Auditory and olfactory apparatus) Alterations in disease	* Lecture discussion * Explain using models, charts, slides, specimens Record book	* Essay type * Objective type * Fill in the

V	6	Applications and implications in nursing		Blanks
VI	7	Circulatory and lymphatic system * The Circulatory System <ul style="list-style-type: none"> ▪ Blood – Microstructure ▪ Structure of Heart ▪ Structure of blood vessels- Arterial & Venous System ▪ Circulation: Systemic, pulmonary, coronary * Lymphatic System <ul style="list-style-type: none"> ▪ Lymphatic vessels & lymph ▪ Lymphatic Tissues- Thymus gland, Lymph nodes, Spleen AND Lymphatic tissues Alterations in disease Applications and implications in nursing.	* Lecture discussion * Explain using models, charts, slides, specimens Recordbook	* Essay type * Objective type * Fill in the Blanks
VII	5	The Respiratory System * Structure of the organs of respiration * Muscles of respiration: Intercostals and Diaphragm Alterations in disease Applications and implications in nursing.	* Lecture discussion * Explain using models, torso, charts slides, specimens * Recordbook	* Essay type * Objective type * Fill in the Blanks
VIII	6	The Digestive System * Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens Recordbook	* Essay type * Objective type * Fill in the Blanks
IX	4	The Excretory system (Urinary) * Structure of organs of urinary * System: Kidney, Ureters, urinary, bladder, urethra, structure of skin Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens * Recordbook	* Essay type * Objective type * Fill in the Blanks
X	4	The Endocrine system * Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens Recordbook	* Essay type * Objective type * Fill in the Blanks
XI	4	The Reproductive system including breast * Structure of female reproductive organs * Structure of male reproductive organs * Structure of breast Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens Recordbook	* Essay type * Objective type * Fill in the Blanks

PART B: PHYSIOLOGY

Course Description

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

Course Outcome

- ⇒ Understanding the physiological terms
- ⇒ Develop understanding of the normal functioning of various organ systems of the body
- ⇒ Applying the knowledge of physiology in practice of nursing.
- ⇒ Analysing the physiological functions of human body and its nursing implications.
- ⇒ Evaluating the alterations in functions of human body and its nursing implications.
- ⇒ Creating physiological models of different parts of human organs
- ⇒ Identify the relative contribution of each organ system towards maintenance of Homeostasis
- ⇒ Apply knowledge of physiological basis to analyze clinical situations and
- ⇒ therapeutic applications.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	4	Cell Physiology * Tissue formation, repair * Membranes & glands – functions Alterations in disease Applications and implications in nursing	Lecture discussion	* Essay type * Objective type * Fill in the Blanks
II	4	Skeletal System * Bone formation & growth * Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing * Joints and joint movement	* Lecture discussion * Explain using charts, models and films * Demonstration of joint movements	* Essay type * Objective type * Fill in the Blanks

		Alterations in disease Applications and implications in nursing		
III	4	Muscular System * Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using Charts, models, slides, specimen and films * Demonstration of muscle movements, tone and contraction	* Essay type * Objective type * Fill in the Blanks
IV	7	Nervous System * Functions of Neurons & neurones * 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 ▪ Automatic functions – Pain: somatic, visceral and referred ▪ Automatic learning and biofeedback Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using, Charts, models and films * Demonstrate nerve stimulus, reflex action, reflexes	* Essay type * Objective type * Fill in the Blanks
V	8	Circulatory System * Blood formation, composition, blood groups, blood coagulation * Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation * Functions of Heart, Conduction, Cardiac cycle, circulation- Principles, Control, factors influencing BP and Pulse Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using charts, films * Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system. Measurement of pulse, BP.	* Essay type * Objective type * Fill in the Blanks
VI	6	The Respiratory System * Functions of respiratory organs * Physiology of respiration * Pulmonary ventilation, Volume * Mechanics of respiration * Gaseous exchange in lungs * Carriage of oxygen & carbon-dioxide * Exchange of gases in tissues * Regulation of respiration, Alterations in disease	* Lecture discussion * Explain using Charts, films Demonstration of spirometer.	* Essay type * Objective type * Fill in the Blanks

		Applications and implications in nursing.		
VII	6	The Digestive System * Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas * Metabolism of carbohydrates, protein and fat Applications and implications in nursing.	* Lecture discussion Explain using Charts, films	* Essay type * Objective type * Fill in the Blanks
VIII	5	The Excretory System * Functions of kidneys, ureters, urinary bladder & urethra * Composition of urine * Mechanism of urine formation * Functions of skin * Regulation of body temperature * Fluid and electrolyte balance Alterations in disease Applications and implications in nursing.	* Lecture discussion Explain using Charts, films	* Essay type * Objective type * Fill in the Blanks
IX	4	The Sensory Organs * Functions of skin, eye, ear, nose, tongue, Alterations in disease Applications and implications in nursing.	* Lecture discussion Explain using Charts, films	* Essay type * Objective type * Fill in the Blanks
X	5	The Endocrine Glands * Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes Alterations in disease Applications and implications in nursing.	* Lecture discussion * Explain using Charts, films Demonstration of BMR	* Essay type * Objective type * Fill in the Blanks
XI	5	The Reproductive System * Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. * Functions of female reproductive organs; Functions breast, Female sexual cycle. * Introduction to embryology * Functions of male reproductive organs, Male function in reproduction, Male fertility system Alterations in disease Applications and implications in nursing.	* Lecture discussion Explain using Charts, films models, specimens	* Essay type * Objective type * Fill in the Blanks

XII	2	Lymphatic & Immunological System * Circulation of lymph * Immunity <ul style="list-style-type: none"> ▪ Formation of T-cells and Bcells ▪ Types of Immuneresponse ▪ Antigens ▪ Cytokines ▪ Antibodies 	* Lecture discussion Explain using Charts,films	* Essay type e * Objective type * Fill in the Blanks
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Reference Books

1. Gibson John, Modern Anatomy and Physiology for Nurses, Blackwell Scientific publication, 1975.
2. Jackson Sheils, Anatomy and Physiology for Nurses, Prism Books, 994, Bangalore.
3. Anthony & Thibodcon, Anatomy and Physiology, C.V. Mosby Co., 1983, London.
4. Winwood R S, & Smith G, Anatomy and Physiology for Nurses, ELBS Publication, 1985.

* **Latest editions of all the suggested books are recommended.**

Year	I Year
Subject	Nutrition & Biochemistry
THEORY	PRACTICAL
45+30	-

Part A: Nutrition

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

Course Outcome

- ⇒ Understanding the biochemical composition, nutrition and their role in functioning of human body.
- ⇒ Applying the knowledge of nutrition and biochemistry for preparing diet for the care and promotion of health of patients.
- ⇒ Demonstrating skills in selection, preparation and preservation of foods for patients.
- ⇒ Analyzing the nutritional needs of the patients and monitor the improvements in the health.
- ⇒ Evaluating the alterations in micro and macro nutrients in health and illness.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
		Introduction * Nutrition: <ul style="list-style-type: none"> ▪ History ▪ Concepts * Role of nutrition in maintaining health * Nutritional problems in India * National nutritional policy * Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style	* Lecture Discussion * Explaining using charts Panel discussion	* Essay type * Objective type * Fill in the Blanks

I	5	<p>and food habitsetc.</p> <ul style="list-style-type: none"> * Role of food and its medicinalvalue * Classification offoods * Foodstandards * Elements of nutrition: macro andmicro * Calorie,BMR 		
II	2	<p>Carbohydrates</p> <ul style="list-style-type: none"> * Classification * CalorieValue * Recommended dailyallowances * Dietarysources * Functions * Digestion, absorption and storage, metabolism of carbohydrates * Malnutrition: Deficiencies and Overconsumption 	* Lecturediscussion Explaining usingcharts	* Essaytype * Objective type * Fill in the Blanks
III	2	<p>Fats</p> <ul style="list-style-type: none"> * Classification * Caloric value * Recommended daily allowances * Dietary sources * Functions * Digestion, absorption and storage,metabolism * Malnutrition: Deficiencies and overconsumption 	* Lecturediscussion Explaining usingcharts	* Essaytype * Objective type * Fill in the Blanks
IV	2	<p>Proteins</p> <ul style="list-style-type: none"> * Classification * Caloricvalue * Recommended dailyallowances * Dietarysources * Functions * Digestion, absorption, metabolism andstorage * Malnutrition: Deficiencies and Overconsumption 	* Lecturediscussion Explaining usingcharts	* Essaytype * Objective type * Fill in the Blanks
V	3	<p>Energy</p> <ul style="list-style-type: none"> * Unit of Energy –Kcal * Energy requirements of different categories ofpeople * Measurements ofenergy * Body Mass Index (BMI) and basicmetabolism * Basal Metabolic Rate (BMR) - determination andfactors affecting 	* Lecturediscussion * Explaining usingcharts * Exercise * Demonstration	* Essaytype * Objective type * Fill in the Blanks
		<p>Vitamins</p> <ul style="list-style-type: none"> * Classification * Recommended dailyallowances * Dietarysources 	* Lecturediscussion Explaining usingcharts	* Essaytype * Objective type

VI	4	<ul style="list-style-type: none"> * Functions * Absorption, synthesis, metabolism storage and excretion * Deficiencies * Hypervitaminosis 		* Fill in the Blanks
VII	4	<p>Minerals</p> <ul style="list-style-type: none"> * Classification * Recommended daily allowances * Dietary sources * Functions * Absorption, synthesis, metabolism storage and excretion * Deficiencies * Over consumption and toxicity 	* Lecture discussion Explaining using charts	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VIII	4	<p>Water & electrolytes</p> <ul style="list-style-type: none"> * Water: Daily requirement, regulation of water metabolism, distribution of body water, * Electrolytes: Types, sources, composition of body fluids * Maintenance of fluid & electrolyte balance * Over hydration, dehydration and water intoxication * electrolyte imbalances 	* Lecture discussion Explaining using charts	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
IX	T-5 P- 15	<p>Cookery rules and preservation of nutrients</p> <ul style="list-style-type: none"> * Principles, methods of cooking and serving <ul style="list-style-type: none"> ▪ Preservation of nutrients * Safe Food handling-toxicity * Storage of food * Food preservation, food additives and its principles * prevention of food adulteration Act (PFA) * Food standards * Preparation of simple beverages and different types of food 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
X	T-5 P-5	<p>Balanced diet</p> <ul style="list-style-type: none"> * Elements * Food groups * Recommended Daily allowance * Nutritive value of foods * Calculation of balanced diet for different categories of people * Planning menu * Budgeting of food * Introduction to therapeutic diets: Naturopathy – diet 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Role of nurse in nutritional programmes</p> <ul style="list-style-type: none"> * National programmes related to nutrition 	<ul style="list-style-type: none"> * Lecture Discussion * Explaining with 	<ul style="list-style-type: none"> * Essay type * Objective

XI	4	<ul style="list-style-type: none"> ▪ Vitamin A deficiency programme ▪ National iodine deficiency disorders (IDD) programme ▪ Mid-day meal programme ▪ Integrated child development scheme (ICDS) <p>* National and International agencies working towards food/nutrition</p> <ul style="list-style-type: none"> ▪ NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc. <p>* Assessment of nutritional status</p> <p>* Nutrition education and role of nurse</p>	<p>* Slide / Filmshows</p> <p>* Demonstration of Assessment of nutritional status</p>	<p>type</p> <p>* Fill in the Blanks</p>
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Reference Books

1. Anderson, Nutrition in Nursing, Lippincott Co., Philadelphia.
2. Antia, E. P., Clinical Dietetics and Nutrition, Oxford University Press, New Delhi.
3. Corrine H. Robinson, Normal and Therapeutic Nutrition, Oxford and IBH Publications.
4. Sue Rodwell Williams, Nutrition and Diet Therapy, C.V Mosby Co.,
5. Patwardhan V. N, Nutrition in India, 1961.
6. Hervietta Flick, Introduction to Nutrition, Mac Millon Publishing Co.
7. Lenna F Copper, Nutrition in Health and Disease, J.B Lippincott Co., Philadelphia.
8. Joshi v.d., Hand Book of Nutrition and Dietetics, Vora Medical Publications, Bombay.
9. Swaminathan M., Hand Book of Food and Nutrition, Bangalore printing and publishing Co., 1970, Bangalore.

*** Latest editions of all the suggested books are recommended.**

Part B: Bio Chemistry

Course Description

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

Course Outcome

- ⇒ Understanding the concepts, theories and principles of Biochemistry.
- ⇒ Synthesize the knowledge of these principles in various Nursing situations.
- ⇒ Describing chemistry, classification, metabolism of micro and macro nutrients and its alterations.
- ⇒ Understanding and using the various biomedical equipments and biochemical investigations in diagnosis of diseases.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	3	Introduction * Definition and significance in nursing * Review of structure, Composition and functions of cell * Prokaryote and Eukaryote cell organization * Microscopy	* Lecture discussion using charts, slides * Demonstrate use of microscope	* Essay type * Objective type * Fill in the Blanks
II	6	Structure and functions of Cell membrane * Fluid mosaic model tight junction, Cytoskeleton * Transport mechanism: diffusion osmosis, filtration, active channel, sodium pump * Acid base balance-maintenance & diagnostic tests <ul style="list-style-type: none"> ▪ PH buffers 	* Lecture discussion	* Essay type * Objective type * Fill in the Blanks
III	6	Composition and metabolism of Carbohydrates * Types, structure, composition and uses <ul style="list-style-type: none"> ▪ Monosaccharides, Disaccharides, Polysaccharides Oligosaccharides * 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) <ul style="list-style-type: none"> ▪ Regulation of blood glucose level Investigations and their interpretations 	* Lecture discussion using charts * Demonstration of laboratory tests	* Essay type * Objective type * Fill in the Blanks

IV	4	<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 triacylglycerol's * Cholesterol metabolism <ul style="list-style-type: none"> ▪ Biosynthesis and its Regulation • Bile salts and bilirubin • Vitamin D • Steroid hormones * Lipoproteins and their functions <ul style="list-style-type: none"> ▪ VLDLs- IDLs, LDLs and HDLs ▪ Transport of lipids ▪ Atherosclerosis, Investigations and their interpretations 	<ul style="list-style-type: none"> * Lecture discussion using charts * Demonstration of laboratory tests. 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
V	6	<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 ▪ Electrophoresis ▪ Sequencing * Metabolism of Nitrogen <ul style="list-style-type: none"> ▪ Fixation and Assimilation ▪ Urea Cycle ▪ Hemes and chlorophylls * Enzymes and co-enzymes <ul style="list-style-type: none"> ▪ Classification ▪ Properties ▪ Kinetics and inhibition ▪ Control <p>Investigations and their interpretations</p>	<ul style="list-style-type: none"> * Lecture discussion using charts * Demonstration of laboratory tests. 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VI	2	<p>Composition of Vitamins and minerals</p> <ul style="list-style-type: none"> * Vitamins and minerals: <ul style="list-style-type: none"> ▪ Structure, Classification, Properties, Absorption ▪ Storage & transportation ▪ Normal concentration <p>* Investigations and their interpretation</p>	<ul style="list-style-type: none"> * Lecture discussion using charts * Demonstration of laboratory tests. 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Immunochemistry</p> <ul style="list-style-type: none"> * Immune response, * Structure and classification of immunoglobins * Mechanism of antibody production * Antigens: HLA typing * Free radical and Antioxidants * Specialized Protein: Collagen, 	<p>Teaching Learning Activities</p> <ul style="list-style-type: none"> * Lecture discussion using charts * Demonstration of laboratory tests 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

VII	3	Elastin, Keratin, Myosin, Lens Protein. * Electrophoretic and Quantitative determination of immunoglobins – ELISA etc. Investigations and their interpretations		
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Reference Books

1. Eastham Duncan Robert, *Biochemical Values in Clinical Medicine*, John Cought and Sons Ltd.
2. Chandlish, J. K, *Lecture Notes on Biochemistry*, Blackwell Scientific Publications.
3. Klein S. Israel and Ordan James, *Human Biochemistry*, Mosby Co., 1958.
4. Varley Harold, *Practical Clinical Biochemistry*, CBS Publishers and Distributers, New Delhi.

*** Latest editions of all the suggested books are recommended.**

Year	I Year
Subject	Nursing Foundation
THEORY + LAB	PRACTICAL
265 + 200	450

Course Description

The course is designed to help the students to develop an understanding the philosophy, objective, theories and process of nursing in various Supervised Clinical settings is aimed at helping the students to acquire knowledge, understand and skills in techniques nursing and practice them in Supervised Clinical settings.

Course Outcome

- ⇒ Understanding the concepts, theories of health and illness and nursing in different health care settings
- ⇒ Applying the communication skills effectively and work in teams with client, family & health care professionals.
- ⇒ Understanding and applying the basic principles and nursing process in meeting the needs of the client.
- ⇒ Demonstrating the skills in prevention and control of infection in health care settings

⇒ Applying the knowledge and critical thinking skills in Evidence Based nursing practice & application of nursing theories.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	10	<p>Introduction</p> <ul style="list-style-type: none"> * Concept of Health: Health – illness continuum * Factors influencing health * Causes and risk factors for developing illness * Body defenses: Immunity and immunization * Illness and illness Behavior: * Impact of illness on patient and family * Health Care Services: Health Promotion and Prevention, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care * Health care teams * Types of health care agencies * Hospitals: Types, Organization and Functions * Health Promotion and Levels of Disease Prevention * Primary Health care and its delivery: Role of nurse 	<ul style="list-style-type: none"> * Lecture discussion Visit to health care agencies 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
II	10	<p>Nursing as a profession</p> <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 ▪ Functions of nurse ▪ Qualities of a nurse ▪ Categories of nursing personnel ▪ Nursing as a profession ▪ History of Nursing in India. * Values: Definition, Types, Values Classification and values in professional Nursing: Caring & Advocacy * Ethics: <ul style="list-style-type: none"> ▪ Definition and Ethical Principles Code of ethics and professional conduct for nurses. 	<ul style="list-style-type: none"> * Lecture discussion * Case discussion Roleplays 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
III	4	<p>Hospital admission and discharge</p> <ul style="list-style-type: none"> * Admission to the hospital <ul style="list-style-type: none"> ▪ Unit and its preparation-admission bed ▪ Admission procedure 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Lab Practice Supervised 	<ul style="list-style-type: none"> * Essay type * Objective type

		<ul style="list-style-type: none"> ▪ Special considerations ▪ Medico-legal issues ▪ Roles and Responsibilities of the nurse <p>* Discharge from the hospital</p> <ul style="list-style-type: none"> ▪ Types: Planned discharge, LAMA and abscond, Referrals and transfers ▪ Discharge Planning ▪ Discharge procedure ▪ Special consideration ▪ Medico-legal issues ▪ Roles and Responsibilities of the nurse ▪ Care of the unit after discharge 	Clinical practice	* Fill in the Blanks
IV	10	<p>Communication and Nurse patient relationship</p> <p>Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication</p> <ul style="list-style-type: none"> • Methods of Effective Communication, <p>Attending skills</p> <p>Rapport building skills</p> <p>Empathy skills</p> <p>Barriers to effective communication,</p> <p>Helping Relationship (NPR): Dimensions of Helping Relationships, Phase of a helping relationship</p> <p>Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group (children, women, physically and mentally challenged and elderly)</p> <p>Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process.</p> <p>Practice session on patient teaching</p> <p>Supervised Clinical Practice.</p>	<p>* Lecture discussion</p> <p>Role play and video film on the nurses interacting with the patient</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>
		<p>The Nursing Process</p> <p>* Critical Thinking and Nursing Judgment</p> <ul style="list-style-type: none"> ▪ Critical Thinking: Thinking and Learning ▪ Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing <p>* Nursing Process Overview: Application in Practice</p> <ul style="list-style-type: none"> ▪ Nursing process format: INC, current format ▪ Assessment <p>- Collection of Data : Types,</p>	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Exercise</p> <p>Supervised Clinical Practice</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>

V	15	<p>Sources,Methods</p> <ul style="list-style-type: none"> - Formulating Nursing Judgment: <p>Data interpretation</p> <ul style="list-style-type: none"> ▪ NursingDiagnosis <ul style="list-style-type: none"> - Identification of clientproblems - Nursing diagnosisstatement - Difference between medical and nursing diagnosis ▪ Planning - EstablishingPriorities - Establishing Goals and ExpectedOutcomes - Selection of interventions : Protocols and standingOrders - Writing the Nursing CarePlan ▪ Implementation - Implementing the plan of care ▪ Evaluation - Outcome ofcare - Review andModify ▪ Documentation andReporting 		
VI	4	<p>Documentation and Reporting</p> <p>Documentation: Purposes of Recording and reporting</p> <p>Communication within the Health CareTeam</p> <p>Types of records; ward records, medical/nursing records, Common Record-keeping forms, Computerized documentation</p> <p>Guidelines for Reporting: Factual Basis, Accuracy, Completeness, correctness, Organization,confidentiality</p> <p>Methods ofRecording</p> <p>Reporting: Change of shift reports:Transfer</p>	<ul style="list-style-type: none"> * Lecturediscussion * Demonstration * PracticeSession Supervised ClinicalPractice 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
		<p>Vital signs</p> <ul style="list-style-type: none"> * Guidelines for taking vitalsigns: * Bodytemperature: <ul style="list-style-type: none"> ▪ Physiology, Regulation, Factors affecting bodytemperature, ▪ Assessment of body temperature: sites, equipments and technique, special considerations ▪ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia ▪ Hot and coldapplications 	<ul style="list-style-type: none"> * Lecturediscussion * Demonstration * Practice Supervised ClinicalPractice 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

VII	15	<ul style="list-style-type: none"> * Pulse: <ul style="list-style-type: none"> ▪ Physiology & Regulation, Characteristics of the pulse, Factors affecting pulse ▪ Assessment of the pulse: sites, location, equipments and technique, special considerations ▪ Alterations in pulse: * Respiration <ul style="list-style-type: none"> ▪ Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration ▪ Assessment of respirations: Technique, special considerations ▪ Alterations in respiration * Blood pressure: <ul style="list-style-type: none"> ▪ Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure ▪ Assessment of blood pressure: sites, equipments and technique, special considerations ▪ Alterations in blood pressure Recording of vital signs 		
VIII	20	<p>Health assessment</p> <ul style="list-style-type: none"> * Purposes * Process of Health assessment <ul style="list-style-type: none"> ▪ Health History ▪ Physical examination: <ul style="list-style-type: none"> - Methods-Inspection, Palpation, Percussion, Auscultation, Olfaction - Preparation for examination: patient and unit - General assessment - Assessment of each body system - Recording of health assessment 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice on stimulators Supervised Clinical Practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
IX	5	<p>Machinery, Equipment and linen</p> <ul style="list-style-type: none"> * Types: Disposables and reusable- 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 * Objective type * Fill in the Blanks

X	60	<p>Meeting needs of patient</p> <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, trapeze 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 o Assessment, Principles, Types, Equipments, Procedure, Special Considerations <ul style="list-style-type: none"> - Patient environment: Room Equipment and linen, making patient beds o Types of beds and bedmaking <ul style="list-style-type: none"> ▪ Comfort: - <ul style="list-style-type: none"> - Factors influencing Comfort - Comfort devices <ul style="list-style-type: none"> * Physiological needs:- ▪ Sleep and Rest: <ul style="list-style-type: none"> - Physiology of sleep - Factors affecting sleep - Promoting Rest and sleep - Sleep Disorders <ul style="list-style-type: none"> ▪ Nutrition: - <ul style="list-style-type: none"> - Importance - Factors affecting nutritional needs - Assessment of nutritional needs - Meeting Nutritional needs: Principles, equipments, procedure and special considerations <ul style="list-style-type: none"> o Oral o Enteral: Naso/Orogastric, gastrostomy o Parenteral: <ul style="list-style-type: none"> ▪ Urinary Examination <ul style="list-style-type: none"> - Review of Physiology of Urine Elimination, Composition and characteristics of urine. - Factors influencing Urination 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice sessions Supervised Clinical Practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
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		<ul style="list-style-type: none"> - Alteration in Urinary Elimination - Types and Collection of urine specimen: Observation, urinetesting - Facilitating urine elimination:assessment, types, equipments, procedures and special considerations <ul style="list-style-type: none"> ○ Providing urinal/bedpan ○ Condomdrainage ○ Perinealcare ○ Catheterization ○ Care of urinarydrainage ○ Care of urinarydiversions ○ Bladderirrigation ▪ BowelElimination - Review of Physiology of BowelElimination, Composition and characteristics offeces - Factors affecting Bowelelimination - Alteration in BowelElimination - Types and Collection of specimen of feces: Observation - Facilitating bowel elimination:assessment, equipments, procedures and special considerations <ul style="list-style-type: none"> ○ Passing of Flatustube ○ Enemas ○ Suppository ○ Sitz bath ○ Bowelwas Care ofOstomies <ul style="list-style-type: none"> ▪ Mobility andImmobility - Principles of BodyMechanics - Maintenance of normal body Alignment andmobility - Factors affecting body Alignment and mobility - Hazards associated withimmobility - Alteration in body Alignment andmobility - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special considerations, rehabilitationaspects <ul style="list-style-type: none"> ○ Range of motionexercises ○ Maintaining body alignment:Positions ○ Moving ○ Lifting ○ Transferring ○ Walking 		
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		<ul style="list-style-type: none"> ○ Restraints ▪ Oxygenation - Review of Cardiovascular and respiratory Physiology - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations ○ Maintenance of patent airway ○ Oxygen administration ○ Suction ○ Inhalations: dry and moist ○ Chest physiotherapy and postural drainage ○ Pulse oximetry ○ CPR-Basic life support ▪ Fluid, Electrolyte, and Acid – Base Balances - Review of Physiological regulation of Fluid, Electrolyte, and Acid-Base Balances - Factors Affecting Fluid, Electrolyte, and Acid-Base Balances - Alterations in Fluid, Electrolyte, and Acid-Base Balances - Nursing interventions in Fluid, Electrolyte and Acid - Base Imbalances: assessment, types, equipment, procedure and special considerations ○ Measurement fluid intake and output ○ 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 ○ Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, coping with loss, death and grieving ○ Assessment of psychosocial needs ○ Nursing intervention for psychosocial needs - Assist with coping and adaptation - Creating therapeutic environment ○ Recreational and diversional therapies 		
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XI	15	<p>Infection control in Clinical settings</p> <ul style="list-style-type: none"> * Infection control <ul style="list-style-type: none"> ▪ Nature of infection ▪ Chain of infection transmission ▪ Defenses against infection: Natural and acquired <ul style="list-style-type: none"> ▪ Hospital acquired infection (Nosocomial infection) * 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 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Administration of Medications</p> <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 Error ▪ Drug forms ▪ Routes of administration ▪ Storage and maintenance of drugs and Nurses responsibility ▪ Broad classification of drugs ▪ Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions, 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

XII	40	<ul style="list-style-type: none"> ▪ Factors influencing drugActions, ▪ Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions. ▪ Converting Measurements units: Conversions within one system, Conversion between systems, DosageCalculation, ▪ Terminologies and abbreviations used in prescriptions ofmedications <p>* Oral Drugs Administration: Oral, Sublingualand Buccal: Equipment, procedure</p> <p>* Parenteral</p> <ul style="list-style-type: none"> ▪ Generalprinciples: Decontamination and disposal of syringes and needles ▪ Types of parentaraltherapies ▪ Types of syringes, needles, cannula, and infusionsets ▪ Protection from Needle stick Injuries: Giving Medications with a safetysyringes ▪ Routes of parentaraltherapies <ul style="list-style-type: none"> - Intradermal: purpose, site, equipment, procedure, specialconsiderations. - Subcutaneous: purpose, site, equipment, procedure, specialconsiderations - Intramuscular: purpose, site, equipment, procedure, specialconsiderations - Intra Venous: purpose, site, equipment, procedure, specialconsiderations - Advanced techniques: epidural, intrathecal, intraosseous, intraperitoneal,intraplural, intra arterial - Role of nurse <p>* TopicalAdministration: purposes, site, equipment, procedure, special considerations for</p> <ul style="list-style-type: none"> ▪ Application toSkin ▪ Application to mucousmembrane <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 - Institutions: Ear, Eye, Nasal, Bladder 		
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		<p>and Rectal</p> <ul style="list-style-type: none"> - Irrigations: Eye, Ear, Bladder, Vaginal and Rectal - Spraying: Nose and throat <p>* Inhalation: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications) - purposes, types, equipment, procedure, special considerations</p> <ul style="list-style-type: none"> ▪ Recording and reporting of medications administered 		
XIII	10	<p>Meeting needs of Perioperative patients</p> <p>* Definition and concept of Perioperative Nursing</p> <p>* Preoperative Phase</p> <ul style="list-style-type: none"> ▪ Preparation of patient for surgery <p>* Intraoperative</p> <ul style="list-style-type: none"> ▪ Operation theatre Set up and environment ▪ Role of nurse <p>* Postoperative Phase</p> <ul style="list-style-type: none"> ▪ Recovery unit ▪ Post operative unit ▪ Post operative care, <p>* Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing</p> <p>* Surgical asepsis</p> <p>* Care of the wound: types, equipments, procedure and special consideration</p> <ul style="list-style-type: none"> ▪ Dressings, Suture Care, ▪ Care of Drainage ▪ Application of Bandages, Binders, Splints & Slings ▪ Heat and Cold Therapy 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XIV	15	<p>Meeting special needs of the patient</p> <p>* Care of patients having alteration in</p> <ul style="list-style-type: none"> ○ Temperature (hyper and hypothermia); Types, Assessment, Management ○ Sensorium (Unconsciousness); Assessment, Management ○ Urinary Elimination (retention and incontinence); Assessment, Management ○ Functioning of sensory organs: (Visual & hearing impairment) ○ Assessment of Self-Care ability ○ Communication methods and special considerations ○ Mobility (physically) 	<ul style="list-style-type: none"> * Lecture discussion * Case Discussions Supervised Clinical practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<p>challenged,cast) assessment of Self-Care ability: Communication Methods and special considerations</p> <ul style="list-style-type: none"> ○ Mental state (mentally challenged), assessment of Self-Careability; ○ Communication Methods and special considerations ○ Respiration (distress); Types,Assessment, Management ○ Comfort – (Pain) – Nature, Types, Factors influencing Pain, Coping, Assessment, Management; ○ Treatment related to gastrointestinal system: Naso-gastric suction, gastric irrigation, gastricanalysis. 		
XV	5	<p>Care of Terminally ill patient</p> <ul style="list-style-type: none"> ○ Concepts of Loss, Grief, grievingProcess ○ Signs of clinicaldeath ○ Care of dying patient: specialconsiderations ● Advancedirectives: Euthanasia, will, dying declaration, organ donation etc. ○ Medico-legalissues ○ Care of dead body: equipment, procedure and care ofunit ○ Autopsy ○ Embalming 	<ul style="list-style-type: none"> * Lecturediscussion * Demonstration * Case discussion/Roleplay * Practicesession Supervised Clinicalpractice 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
XVI	10	<p>Professional Nursing concepts and practices</p> <p>* Conceptual and theoretical models of nursing practice: Introduction of models-holistic model, health belief model, health promotion modeletc.</p> <p>* Introduction to Theories in Nursing; Peplau’s, Henderson’s, Orem’s, Neumann’s, Roger’s and Roy’s</p> <p>Metaparadigm of nursing</p> <p>* Linking theories with nursingprocess</p>	<p>Lecturediscussion</p>	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
XVII	12	<p>First aid</p> <ul style="list-style-type: none"> ☐ Meaning, Scope, Objectives andPrinciples ☐ Importance and rules of First aid. ☐ First aidequipment’s. ☐ First aid inemergencies ☐ Fire, Burns, Fracture, Accidents, Poisoning, Drowning, Hemorrhage, 	<ul style="list-style-type: none"> ● Lecturediscussion ● Demonstration ● Case discussion/Roleplay ● Practicesession ● Supervised Clinicalpractice 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

		Insect bites, Foreign bodies. ☒ Transportation of the Injured.		
XVIII	05	Rehabilitation aspects of Nursing care ❖ Definition, Philosophy, Principles, Rehabilitation Process, Rehabilitation Team. Role of a nurse in Rehabilitation	Lecture discussion	* Essay type * Objective type * Fill in the Blanks

Reference Books

1. Barbara Kosier et al, *Fundamentals of Nursing Concepts and Procedure*, Addison Welsloy Publishing Co., 2007, Philadelphia.
2. Brown Ammy Francis, *Medical Nursing*, W.B Saunders and Co., 2006, USA.
3. Esther Mc Clain RN, *Scientific Principle of Nursing*, Current technical literature Publications, 1969, Bombay.
4. Potter and Perry, *Fundamentals of Nursing Concepts-Process and Practice*, C.V Mosby and Co., 1985, London.

*** Latest editions of all the suggested books are recommended.**

Year	I Year
Subject	Psychology
THEORY	PRACTICAL
60	-

Course Description

The course is designed to help the students to develop an understanding of the philosophy, objective, 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.

Course Outcome

- ⇒ Understand the history of psychology and development of theories and their scientific foundations.
- ⇒ Analyze the cognitive, emotional and motivation processes in understanding
- ⇒ the patient behaviour in health and illness setting.
- ⇒ Express the concepts of personality and its influence on behaviour

- ⇒ Differentiate the psychological needs of people in different age groups
- ⇒ Demonstrate the skills in psychological assessment and test.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	2	Introduction: * History and origin of Science of Psychology * Definitions and scope of Psychology * Relevance to Nursing * Methods of Psychology	Lecture Discussion	* Essay type * Objective type * Fill in the Blanks
II	4	Biology of Behavior * Body mind relationship – modulation process in health and illness. * Genetics and behavior: Heredity and Environment * Brain and behavior: Nervous system, Neurons and synapse * Association cortex, Right and Left Hemispheres * Psychology of sensations * Muscular and glandular controls of behavior * Nature of behavior of some organism/integrated responses	Lecture Discussion	* Essay type * Objective type * Fill in the Blanks
III	20	Cognitive processes * Attention: Types, determinants, duration and degree, alterations * Perception: Meaning, Principles, factors affecting, errors * Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits. * Memory: Meaning, types, nature factors influencing, development theories and methods of memorizing and forgetting * Thinking: Types and levels, stages of development, relationship with language and communication * Intelligence: Meaning, classification, uses, theories * Aptitude: Concepts, types, individual differences and variability. * Psychometric assessments of	Lecture Discussion	* Essay type * Objective type * Fill in the Blanks

		<p>cognitive processes</p> <ul style="list-style-type: none"> * Alterations in cognitive processes * Applications 		
IV	8	<p>Motivation and Emotional processes:</p> <ul style="list-style-type: none"> * Motivation: Meaning, concepts, types, theories, motives and behavior, conflicts and frustration, conflict resolution * Emotions and stress <ul style="list-style-type: none"> o Emotions: Definition, components, changes in emotions, theories, emotional adjustments, emotions in health and illness. o Stress: stressors, cycle, effect, adaptation and coping * Attitude: Meaning, nature, development, factors affecting, <ul style="list-style-type: none"> o Behavior and attitudes o Attitudinal change * Psychometric assessments of emotions and attitudes * Alterations in emotions * Applications 	<ul style="list-style-type: none"> * Lecture Discussion 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
V	7	<p>Personality</p> <ul style="list-style-type: none"> * Definitions, topography, types, Theories * Psychometric assessments of personality * Alterations in personality * Application 	<p>Lecture</p> <p>Discussion</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VI	7	<p>Developmental Psychology</p> <ul style="list-style-type: none"> * Psychology of people at different ages from infancy to old age * Psychology of vulnerable individuals- challenged, women, sick, etc. * Psychology of groups 	<ul style="list-style-type: none"> * Lecture Discussion 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VII	8	<p>Mental hygiene and mental Health</p> <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 Defense mechanisms and implications Personal and social adjustments * Guidance and counseling * Role of nurse 	<ul style="list-style-type: none"> * Lecture * Discussion * Case Discussion * Role Play Demonstration 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Psychological assessment & tests</p> <ul style="list-style-type: none"> * Types, development, 	<ul style="list-style-type: none"> * Lecture 	<ul style="list-style-type: none"> * Essay type

VIII	4	Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment	* Discussion * Demonstration Practice sessions	* Objective type * Fill in the Blanks
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Reference Books

1. Morgan C. T, & King, *Introduction to Psychology*, McGraw Hill International.
2. Andrew Mc Ghee, *Psychology on Applied to Nursing*, Livingstone Nursing texts, 1973, Churchill Livingstone.
3. Philip E Vernon, *The Measurement of Abilities*, University of London Press Ltd., 1972.
4. Kuppaswamy, Prabhu P.H, *General Psychology*, Asia Publishing Home, Bombay, New Delhi.
5. Madeleine A. Leininger, *Wontemporary Issues in Mental Health Nursing*, Little brown and company, 1973, Boston.
7. Donald Snygy, *Individual Behaviour- A New Frame of Reference for Psychology*, Harper and Brother Publishers, 1982.

*** Latest editions of all the suggested books are recommended.**

Year	I Year
Subject	Microbiology
THEORY	PRACTICAL
60	-

Course Description

The course is designed to enable students to acquire understand fundamentals of Microbiology and identification of various micro-organisms. It also pre Opportunities for practicing infection control measures in hospital and community settings

Course Outcome

- ⇒ Understanding the significance of microbiology in nursing profession.
- ⇒ Understand how the human body and various organisms interact in terms of health and disease.
- ⇒ Identifying and Classifying the microbes and assessing characteristics features of microorganisms and the diseases they cause.
- ⇒ Understanding and applying the routes of transmission of infection in hospitals, communities and the methods used to control the spread of infection with nursing care.
- ⇒ Be conversant with proper methods of collection, storage and transport of clinical material for microbiological investigations.
- ⇒ Understand the principles of immunology and its application in the diagnosis and prevention of infectious diseases.

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	5	Introduction: * Importance and relevance to nursing * Historical perspective * Concepts and terminology * Principles of microbiology	Lecture Discussion	* Essay type * Objective type * Fill in the Blanks
II	T-10 P-5	General characteristics of Microbes * 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	* Lecture * Discussion Demonstration	* Essay type * Objective type * Fill in the Blanks
III	T-10 P-2	Infection Control * Infection: Sources, portals of entry and exit, transmission <ul style="list-style-type: none"> ● Asepsis ● Disinfection: Types and methods ● Sterilization: Types and methods ● Chemotherapy and antibiotics ● Standard safety measures ● Biomedical waste management ● Role of Nurse ● Hospital acquired infection ● Hospital infection control programme ● Protocols, collection of samples, preparation of report and status of rate of infection in the unit/ hospital, nurse's accountability, Continuing education etc. 	<ul style="list-style-type: none"> ● Lecture ● Discussion ● Demonstration ● Visits to CSSD Clinical practice	* Essay type * Objective type * Fill in the Blanks

IV	T-12 P-4	Pathogenic organisms * Micro-organisms <ul style="list-style-type: none"> ○ Cocci – gram positive and gramnegative ○ Bacilli – gram positive and gram negative ○ Spirochete ○ Mycoplasma ○ Rickettsia ○ Chlamydia * Viruses * Fungi-Superficial and Deepmycoses * Parasites * Rodents & vectors Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms collection, handling and transportation of various specimens	* Lecture * Discussion * Demonstration Clinical practice	* Essay type * Objective type * Fill in the Blanks
V	T-8 P-4	Immunity * Immunity – Types, classification, * Antigen & antibody reaction * Hypersensitivity – skin test, * Serological tests * Immunoprophylaxis <ul style="list-style-type: none"> ○ Vaccines & sera – Types & classification, storage and handling, cold chain ○ Immunization for various diseases ○ Immunization schedule 	* Lecture * Discussion * Demonstration Clinical practice	* Essay type * Objective type * Fill in the Blanks

Reference Books

1. Ananthanarayan R, et al, Text Book of Microbiology, Orient Longman, 1981.
2. Blackwell C. Caroline, Principles of Infection and Immunity in Patient Care, Edenburg Churchill Livingstone, 1981.
3. Hug L. L, Muffet, Clinical Microbiology, J. B. Lippincott Co., 1981.
4. Loyd Roberts et al, Medical Microbiology, Boston Little Co., 1989.

*** Latest editions of all the suggested books are recommended.**

Year	I Year
Subject	Nursing Foundation - Practical
THEORY	PRACTICAL
-	450

Course Description

The course is designed to help the students to develop an understanding of the philosophy, objective, 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.

Course Contents

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
Demonstration in Lab General Medical and Surgery ward	200 450 Minimum practice time	<p>Hospital admission and discharge (III)</p> <ul style="list-style-type: none"> * Admission * Prepare Unit for newpatient * Prepare admissionbed * Performs admissionprocedure <ul style="list-style-type: none"> o Newpatient o Transferin * Prepare patientrecords <p>Discharge / Transferout</p> <ul style="list-style-type: none"> * Gives dischargecounseling * Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals andtransfers) * Prepare records of discharge/transfer * Dismantle, and disinfect unit and equipment after discharge / transfer. 	* Practice in Unit/hospital	<ul style="list-style-type: none"> * Evaluate with checklist * Assessment of clinical performance with rating scale * Competition of practical record

		<p>Perform assessment: * History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions * Write Nursing Care Plan * Gives care as per the plan</p> <p>Communication * Use verbal and nonverbal communication techniques</p>	<p>* Write nursing process records of patient * Simulated-1 * Actual -1</p> <p>* Role-plays in simulated situations on communication techniques-1 * Health talk-1</p>	<p>* Assessment of nursing process records with checklist * Assessment of actual care given with rating scale * Assess role plays with the check list on communication techniques * Assess health talk with the checklist * Assessment of communication techniques by rating scale * Assessment of performance with rating scale</p>
		<p>Write patient report * Change-of shift reports, Transfer reports, Incident reports etc. * Presents patient report</p> <p>Vital Signs * Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure</p> <p>Health assessment * Health history taking * Perform assessment: o General o Body system * Use various methods of physical examination * Inspection, Palpation,</p>	<p>* Write nurses notes and present the patient report of 2-3 assigned patient</p> <p>* Lab practice * Measure Vital signs of assigned patient</p>	<p>* Assessment of each skill with checklist * Completion of activity record</p> <p>* Assessment of each skill with rating scale * Completion of activity record</p>

	<p>Percussion,Auscultation, Olfaction * Identification of system wise deviations</p> <p>Prepare Patient's unit: * Preparebeds: <ul style="list-style-type: none"> ○ Open, closed, occupied, operation,amputation, ○ Cardiac, fracture, burn, Divided, & Fowlersbed * Pain assessment and provision forcomfort</p> <p>Use comfort devices Hygienic care * Oralhygiene: * Baths and care of pressure points * Hair wash, Pediculosis treatment</p>	<p>* Practice in lab &hospital * Simulated exercise on CPRmanikin</p> <p>* Observation study -2 * Department of Infection control & CSSD</p>	<p>* Assess observatio n study in checklist</p>
	<p>Feeding: * Oral, Enteral, Naso/Orogastric, gastrostomy and Parenteralfeeding * Naso-gastric insertion,suction, andirrigation</p> <p>Assisting patient in urinary elimination * Provides urinal/bedpan * Condomdrainage * Perinealcare * Catheterization * Care of urinarydrainage</p> <p>Bladder irrigation Assisting bowel Elimination: * Insertion of Flatustube * Enemas * Insertion of Suppository Bowel wash Body Alignment andMobility: <ul style="list-style-type: none"> ○ Range of motion exercises ○ Positioning: Recumbent, Lateral (rt/lt), Flowers, Sims, Lithotomy,Prone, Trendelenburg position ○ Assist patient in Moving lifting, transferring, walking, </p>	<p>* Visits CSSD write observation report1</p> <p>* Do clinical postings in infection control department and writereport</p> <p>* Practice in lab/ward</p>	

	<ul style="list-style-type: none"> ○ Restraints <p>Oxygen administration</p> <p>Suctioning: Oropharyngeal, nasopharyngeal</p> <p>Chest physiotherapy and postural drainage</p> <p>Care of Chest drainage CPR- Basic life support</p> <p>Intravenous therapy</p> <p>Blood and blood component therapy</p> <p>Collect/assist for collection of specimens for investigations Urine, sputum, feces, vomitus, blood and other body fluids.</p>	<p>* Collection of samples for culture</p>	
	<p>Perform lab tests:</p> <ul style="list-style-type: none"> * Urine: sugar, albumin, acetone * Blood: sugar (with strip/ Glucometer) <p>Hot and cold applications:</p> <p>Local and general Sitzbath</p> <p>Communicating and assisting with self-care of visually & hearing impaired patients</p> <p>Communicating and assisting with self-care of mentally challenged/disturbed patients</p> <p>Recreational and diversional therapies.</p> <p>Caring of patient with alteration in sensorium</p> <p>Infection control</p> <ul style="list-style-type: none"> * Perform following procedures: <ul style="list-style-type: none"> ○ Hand washing techniques ○ (Simple, hand antisepsis and surgical antisepsis (scrub) ○ Prepare isolation unit in lab/ward ○ Practice technique of wearing and removing Personal protective equipment (PPE) ○ Practice Standard safety 		<p>* Evaluate all procedures with checklist</p>

		<p>precautions (Universal precautions)</p> <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: <ul style="list-style-type: none"> Local * Preparation of Post-operative unit * Pre & Post-operative teaching and counseling * Pre & Post-operative monitoring * Care of the wound * Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, splints & Slings * Bandaging of various body parts * * Administration of medications * Administer medications in different forms and routes * Oral, Sublingual and Buccal * Parenteral: Intradermal, subcutaneous, Intramuscular etc. * Assist with Intra venous medications * Drug measurements and dose calculations * Preparation of lotions and solutions * Administers topical applications * Insertion of 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 * Care of dying patient 		
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		* Caring and packing of dead body * Counseling and supporting grieving relatives * Terminal care of the unit		
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Year	I Year
Subject	English
THEORY	PRACTICAL
60	-

Course Outcome

- ⇒ Understanding the importance of English Language in the context of listening, speaking, reading and writing (LSRW).
- ⇒ Understanding of English Grammar, pronunciation and vocabulary building.
- ⇒ Applying English Grammar in constructing sentences.
- ⇒ Applying correct format and principles of written communication to prepare letters and reports
- ⇒ Applying rules of grammar in conversational English and expressing itself.
- ⇒ Developing listening English.
- ⇒ Developing positive attitude and ability to deals others.

Course Contents

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	10	➤ 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 conversion * Exercise on use of grammar * Practice in public speaking 	<ul style="list-style-type: none"> ✚ Essay type ✚ Objective type ✚ Fill in the Blanks ✚ Paraphrasing

II	30	➤ Develop ability to read, understand and express meaningfully the prescribed text	➤ Read and comprehend prescribed course books	* Exercise on : <ul style="list-style-type: none"> • Reading • Summarizing • Comprehension 	<ul style="list-style-type: none"> ✚ Essay type ✚ Short Answers ✚ Essay Types
III	10	➤ Develop writing skills	➤ Various forms of Composition <ul style="list-style-type: none"> ▪ Letter writing ▪ Note taking ▪ Precise writing ▪ Nurses notes ▪ Anecdotal records ▪ Diary writing ▪ Reports on health problems etc. ▪ Resume/CV 	* Exercises on writing <ul style="list-style-type: none"> ▪ Letter writing ▪ Nurses Notes ▪ Precise ▪ Diary ▪ Anecdote ▪ Health problems ▪ Story writing ▪ Resume/CV * Essay Writing <ul style="list-style-type: none"> ▪ Discussion on written reports/documents 	<ul style="list-style-type: none"> ✚ Essay type ✚ Assessment of the skills based on the checklist .
IV	6	➤ Develop skill in spoken English	➤ Spoken English <ul style="list-style-type: none"> ▪ Oral report ▪ Discussion ▪ Debate ▪ Telephonic Conversation 	* 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 checklist .
V	4	➤ Develop skill in listening comprehension	* Learning Comprehension <ul style="list-style-type: none"> ▪ Media, audio, video, speeches etc 	* 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 checklist .

Year	I Year
Subject	Introduction to Computers
THEORY	PRACTICAL
45	-

Course Outcome

- ⇒ Understanding the peripheral devices and computer generation.
- ⇒ Understanding the basic knowledge of operating system and programming languages.
- ⇒ Understanding the basic functions of Microsoft word and excel.
- ⇒ Understanding the basic functions of Microsoft Power point presentation in creating the presentation.
- ⇒ Understanding the categories of programs, system software and application.
- ⇒ Understanding the Internet Web resources, network and Internet in the workplace.
- ⇒ Knowing the fundamentals of statistical packages and Hospital Management System.
- ⇒ By learning this subject, the nurse can maintain online records and reports update
- ⇒ It is very much useful in MLC (MEDICO-LEGAL CASE) to send the information via e mail
- ⇒ By medical coding , the records can be keep as Protected
- ⇒ In the view of nursing institutions, it will help to maintain the Students Record up to date

Course Contents

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	3	Introduction: * Concepts of Computers * Hardware and software; trends and technology * Application of computers in nursing.	* Lecture Discussion * Demonstration	* Short answers * Objective type

II	T-6 P-20	<p>* Introduction to disk – operatingsystem</p> <ul style="list-style-type: none"> ○ DOS ○ Windows (allversion) <p>* Introduction</p> <ul style="list-style-type: none"> ○ MS-Word ○ MS-Excel with pictorial presentation ○ MS-Access ○ MS-Powerpoint 	<p>* LectureDiscussion</p> <p>* Demonstration</p> <p>*Practice session</p>	<p>* Shortanswers</p> <p>* Objectivetype</p> <p>* PracticalExam</p>
III	T-2 P-3	<p>* Multimedia; types &uses</p> <p>* Computer aided teaching &testing</p>	<p>* LectureDiscussion</p> <p>Demonstration</p>	<p>* Shortanswers</p> <p>* Objectivetype</p> <p>* Practical Exam and VivaVoce</p>
IV	T-1 P-3	<p>* Use of Internet and:e-mail</p>	<p>* LectureDiscussion</p> <p>* Demonstration</p> <p>* Practicesession</p> <p>Statistical packages: types and theirfeatures</p>	<p>* Shortanswers</p> <p>* Objectivetype</p> <p>* Practical Exam and VivaVoce</p>
V	T-2 P-2	<p>* Statistical packages: types and theirfeatures</p>	<p>* LectureDiscussion</p> <p>* Demonstration</p> <p>Practicesession</p>	<p>* Shortanswers</p> <p>* Objectivetype</p> <p>* Practical Exam and VivaVoce</p>
VI	T-1 P-2	<p>* Hospital Management System: Types anduses</p>	<p>* LectureDiscussion</p> <p>Demonstration</p>	<p>* Shortanswers</p> <p>* Objectivetype</p> <p>* Practical Exam and VivaVoce</p>

Year	I Year
Subject	Kannada
THEORY	PRACTICAL
30	-

PÀÈÀßqÀ : MAzÀÄ

¥ÀoÀåPÀæªÀÄzÀ gÀÆ¥ÀgÉÃSÉ

ÀÜÈÀ : "ÉÃ¹Pī ©J¹.(ÈÀ¹ðAUī) ¢ÉÆzÀ® ¢ÀµÀð

ÀªÀÄAiÀÄ : 15 WÀAmÉUÀ¼ÀÄ (°À¢ÉÉÊzÀÄ WÀAmÉUÀ¼ÀÄ)

¥ÀoÀåPÀæªÀÄ : «zÁÿð/«zÁÿðªAiÀÄgÀÄ ¢ÈÀªvÀå
 ,ÀA¥ÀQð,À§ªÀÄzÁzÀ dÈÀ,ÁªÀiÁÈÀgÉÆqÀÈÉ ±ÀÄ±ÀÆæµÉUÉ
 ,ÀA§A¢¹zÀAvÉ PÀÈÀßqÀzÀ°è ,À"sÁµÀuÉ ¢ÀiÁqÀ®À °ÁUÀÆ
 w¼ÀÄªÀ½PÉ ¢ÀqÀ®À ,À°ÀPÁgªÀÁUÀÄªÀAvÉ ¥ÀoÀåPÀæªÀÄzÀ
 ¢ÀiÁzÀjAiÀÄÈÀÄß C¼ÀªÀr,ÀÄªÀÄzÀÄ.

GzÉYÃ±À : 1. ¢ÈÀ §¼ÀPÉAiÀÄ ¢ÀªªÀ°ÁgÀzÀ°è ±ÀÄ±ÀÆæµÉUÉ
 ,ÀA§AzÀ¥ÀlÖAvÉ PÀÈÀßqÀ "sÁµÉUÉ C¼ÀªÀrPÉ.

1. PÀÈÀßqÉÃvÀgÀjUÉ PÀÈÀßqÀ "sÁµÉAiÀÄ ¥ÀjzÀAiÀÄ
 ¢ÀiÁrPÉÆqÀÄªÀÄzÀÄ.

¥ÀoÀåPÀæªÀÄzÀ «ªÀgÀ

WÀIPÀ MAzÀÄ : (C) CPÀègÀªÀiÁ-É, ÀégÀUÀ¼ÀÄ, ¢ÀªAdÈÀUÀ¼ÀÄ
 (D) ¥ÀzÀ, ¥ÀzÀ¥ÀÄAd, ¢ÀPÀgÀzÀÈÉ, ¥ÀvÀæ-ÉÃÈÀ
 ¥Àæ§AzsÀgÀzÀÈÉ

WÀIP JgÀqÀÄ : ±ÀÄ±ÀÆæµÁ ¥ÀzÀUÀ¼ÀÄ (EAVèÃ¶ªAzÀ
 PÀÈÀßqÀPÉi ±ÀÄ±ÀÆæµÉAiÀÄ°è ,ÁªÀiÁÈÀª §¼ÀPÉUÉ ,ÀA§AzÀ¥ÀlÖAvÉ)

WÀIP ¢ÀÄÆgÀÄ : gÉÈÃV °ÁUÀÆ ±ÀÄ±ÀÆæPÀgÀ ¢ÀÄzÉª ,ÁªÀiÁÈÀªªÁV
 ÈÀqÉAiÀÄªÀ ,À"sÁµÀuÉ

(C) ¥Àæ±ÁßxÀðPÀ ,À®°É PÉÆqÀÄªÀ ¢ÀPÀªUÀ¼ÀÄ.

(D) ^aÉÊzÀgÉÆAçUÉ °ÁUÀÆ EvÀgÉ ,À°ÀZÀgÀgÉÆAçUÉ ^aÀ^aÀ°Àj,À®Ä ,ÀA˘sÁμÀuÉ £ÀqÉ,À®Ä ˘ÉĀPÁzÀ ^aÁPÀâUÀ¼ÄÄ.

CzsÀâAiÀÄÉÀPÉÌ ²ΨsÁgÀ,ÀÄì ^aÀiÁqÀ-ÁVgÀÄ^aÀ UÀæAxÀUÀ¼ÄÄ

1. PÀÉÀßqÀ ^aÁâPÁgÀt (8, 9 ^aÄvÀÄÛ 10ÉÉÄ vÀgÀUÀwUÀ½UÉ PÀÉÁðIPÀ ,ÁPÁðgÀ, ΨÀoÀâΨÄÄ,ÀÛPÀUÀ¼ÄÄ E-ÁSÉ)
2. ^aÀ^aÀ°ÀjPÀ PÀÉÀßqÀ : JZÉÑ,ÉÌ
3. ΨÀvÀæ ˘ÉĀREÀ : PÀÉÀßqÀ ,Á»vÀâ ΨÀjμÀvÀÄÛ
4. ˘ÉĀREÀ PÀ-É : JÉi. ΨÀæ°ÁèzÀgÁ^ai
5. DgÉÆÄUÀâ ^aÄvÀÄÛ EvÀgÉ ΨÀæ§AzsÀUÀ¼ÄÄ : qÁ. JÉi. ±ÀAPÀgì
6. ^aÉÊzÀâΨÀzÀUÀ¼ÄÄ °ÄÄIÄÖ gÀZÀÉÉ : qÁ. r.JÉi. ^{2a}ÀΨÀà

PÀÉÀßqÀ : JgÀqÀÄ

ΨÀoÀâPÀæ^aÄzÀ gÀÆΨÀgÉÄSÉ

ÁÜÉÀ : ˘ÉĀ¹Pì ©J¹i.(£À¹ðAUì) ^aÉÆzÀ® ^aÀμÀð

À^aÄÄAiÄÄ : 15 WÀAmÉUÀ¼ÄÄ (°ÀçÉÉÊzÀÄ WÀAmÉUÀ¼ÄÄ)

GzÉÝÄ±À : dÉÁgÉÆÄUÀâzÀ §UÉÌ dÉÀ,À^aÄÄzÁAiÄÄPÉÌ w¼ÄÄ^aÀ½PÉ PÉÆqÀÄ^aÄzÀÄ

ΨÀoÀâPÀæ^aÄzÀ «^aÁgÀ

WÀIPÀ MAzÄÄ : dÉÁgÉÆÄUÀâzÀ ±ÄÄ±ÄÆæμÉAiÄÄ°è ,ÀAzÉÄ±AUÀ¼ÄÄ ^aÀ^aÀ,ÉÛ ,ÀAzÀ±ÀðÉÀ ^aÄ°ÀvÀé ,ÀAzÀ±ÀðÉzÀ UÀÄtUÀ¼ÄÄ.

- CEÄÄ,Àj,À˘ÉĀPÁzÀ μAiÄÄ^aÄUÀ¼ÄÄ
- C^aÀ±Àâ ^aÀiÁ»wUÀ¼ÄÄ ,ÀAUÀæ°À, ,ÀAzÉÄ°ÀUÀ¼ÄÄ (±ÀAPÉUÀ¼ÄÄ)
- PÄÄIÄÄ§ ,ÀAΨÀPÀð, ,ÀAzÀ±ÀðPÀ ˘sÁμÉAiÄiÁV PÀÉÀßqÀ §¼ÄPÉ

WÀIPÀ JgÀqÀÄ : ^aÉÉAiÄÄQÛPÀ DgÉÆÄUÀâ

WÀIPÀ ^aÄÄÆgÄÄ : £ÉÉ,ÀVðPÀ £ÉÉ^aÄÄð®â

WÀIPÀ £Á®ÄÌ : ,ÁAPÁæ«ÁPÀ gÉÆÄUÀUÀ¼ÄÄ ^aÄvÀÄÛ C^aÀÄUÀ¼ÄÄ vÀqÉUÀÄIÄÖ«PÉ

WÀIPÀ LzÄÄ : D°ÁgÀ ^aÄvÀÄÛ DgÉÆÄUÀâ

WÀIPÀ DgÄÄ : vÁ-Ä ^aÄvÀÄÛ ^aÄUÀÄ«ÉÀ DgÉÆÄUÀâ

WÀIPÀ K¼ÄÄ : PÄÄIÄÄŞ PÄ-Áât AiÉÆÄdÉÉ

CzsÄâAiÄÄÉÀPÉÌ ²ŸsÁgÀ,ÄÄì ºÄiÁqÀ-ÁVgÄÄºÄ UÄæAxÄUÄ¼ÄÄ

1. ÄºÄiÁd DgÉÆÄUÄâ : qÁ. J,ï.J. ÉÁgÁAiÄÄuï
 2. vÁ-Ä ºÄÄUÄÄ : qÁ. CÉÄÄŸÄºÄÄ ºgÄAdĕi
 3. gÉÆÄUÉÆÄŸÄZÁgÀ : qÁ. J,ï. Dgĭ. PÁºÄ½(ÉAmĕÁĕi
DAŞÄâ-ÉÉĭ C,ÉÆÄ¹AiÉÄÄµÄĕi)
 4. ŸÄj,ÄgÀ,ÄAzÄ±ÄðÉÄ
 5. ŸÄj,ÄgÀ ºÄÄºÉÄvÉ : PÄÉÁðIPÄ gÁdâ «eÁŌÉÄ ŸÄjµÄwÛÉÄ
ŸÄæPÄluÉUÄ¼ÄÄ
- DgÉÆÄUÄâ ²PÄĕt ºÄÄvÄÄÛ ±Á-Á ºÄÄPÄÌ¼ÄÄ DgÉÆÄUÄâ (DgÉÆÄUÄâ
ºÄÄvÄÄÛ PÄÄIÄÄŞ AiÉÆÄdÉÉ E-ÁSÉ, ¨ÉAUÄ¼ÄÄÆgÄÄ
ŸÄæPÄIUÉÆ½¹gÄÄºÄÄ ŸÄæ,ÄÄÛvÄ ŸÄÄ,ÄÛPÄUÄ¼ÄÄ)

Year	II Year
Subject	Sociology
THEORY	PRACTICAL
60	-

Course Description

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

Course Outcome

- ⇒ Understanding the concepts, nature, scope & importance of sociology.
- ⇒ Understanding the cultural influences among different kinds of people while caring for the patients in health care settings
- ⇒ Analyze the types of communities & their practices & its impact on health.
- ⇒ Evaluate the process of social change & the factors influencing the social change
- ⇒ Creating awareness among the health workers to care for the people from different social background.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	2	Introduction * Definition of Sociology * Nature and Scope of the discipline * Importance and application of Sociology in Nursing	Lecture cum Discussion	* Essay type * Objective type * Fill in the Blanks
II	5	Individual and Society * Society and Community * Nature of Society * Difference between Society and Community * Process of Socialization and individualization * Personal disorganization	Lecture cum Discussion	* Essay type * Objective type * Fill in the Blanks
		Culture * Nature of culture * Evolution of culture * Diversity and uniformity of culture * Culture and socialization	* Lecture * Discussion Panel Discussion	* Essay type * Objective type * Fill in the Blanks

III	5	<ul style="list-style-type: none"> * Transcultural society * Influence on health and disease 		
IV	4	<p>Social groups and processes</p> <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 * Objective type * Fill in the Blanks
V	7	<p>Population</p> <ul style="list-style-type: none"> * Society and population * Population distribution in India Demographic characteristics * Malthusian theory of Populations * Population explosion in India and its impact on health status * Family welfare programmes 	<ul style="list-style-type: none"> * Lecture * Discussion * Community identification 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VI	4	<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 and 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 * Objective type * Fill in the Blanks
VII	7	<p>Social stratification</p> <ul style="list-style-type: none"> * Meaning and types of social stratification * The Indian caste system – origin and features * Features of caste in India today * Social class system and status * Social Mobility – Meaning & types * Race as a biological concept, criteria of racial classification * Salient features of Primary races – Racism * Influence of Class, Caste and Race on health and health practices 	<ul style="list-style-type: none"> * Lecture Discussion Community survey 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VIII	7	<p>Types of Communities in India (Rural, Urban and Regional)</p> <ul style="list-style-type: none"> * Features of village community and characteristics of Indian villages Panchayat system, social dynamics * Community Development project & planning * Changes in Indian Rural life * Availability of health facilities in rural and its impact on health and 	<ul style="list-style-type: none"> Lecture Discussion Visits to rural and urban community Community survey 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<p>health practices</p> <ul style="list-style-type: none"> * Urban-Community -features * The growth of cities: urbanization and its impact on health and health practices * Major Urban problems - Urban Slums * Region: Problems and impact on Health 		
IX	7	<p>Social Change</p> <ul style="list-style-type: none"> * Nature and process of social change * Factors influencing Social change: cultural change, Cultural lag. * Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional Role of nurse-Change agents 	Lecture Discussion	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
X	4	<p>Social Organization and Social System</p> <ul style="list-style-type: none"> * Social organization: elements, types * Democratic and authoritarian modes of participation * Voluntary association * Social system: Definition and Types of social system * Role and Status as structural elements of social system * Inter-relationship of institutions 	<ul style="list-style-type: none"> * Lecture Discussion Observation visits 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XI	4	<p>Social control</p> <ul style="list-style-type: none"> * Nature and process of social control * Political, Legal, Religious, Educational, Economic, Industrial and Technological system, Norms & Values - Folkways & Mores Customs, Laws and fashion Role of Nurse 	<ul style="list-style-type: none"> * Lecture Discussion Community survey 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XII	4	<p>Social Problems</p> <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 	<ul style="list-style-type: none"> * Lecture Discussion Institutional visits 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Sachdeva V. & Bhushan D. R, *An Introduction to Sociology*, Kitab Mahal Ltd., Allahabad.
2. Gupta Dipankar, *Social Stratification*, Pub. Oxford University Press, 1991, New Delhi.
3. Shankar Rao C.N, *Introducing Sociology*, Pub. Jai Bharat Prakashana Manglore-575004.

Year	II Year
Subject	Medical Surgical Nursing - I
THEORY	PRACTICAL
210	720

Course Description

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

Course Outcome

- ⇒ Understanding the relevant Anatomy and Physiology of various system & issues in the field of Medical Surgical Nursing
- ⇒ Understanding the concepts of health and diseases.
- ⇒ Understanding the trends & issues in the field of Medical Surgical Nursing.
- ⇒ Applying concepts & theories related to health promotion.
- ⇒ Demonstrating skills in health assessment and nursing care procedures in providing care to patients.
- ⇒ Analyzing various recent technologies & treatment modalities in the management of clients.
- ⇒ Evaluating the quality of Nursing care practice for adults including geriatrics.
- ⇒ Creating modules for nursing care in the management of clients.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
		Introduction : <ul style="list-style-type: none"> • Introduction to medical surgical nursing – Evolution and trends of medical and 	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> * Essay type * Objective type

I	10	<p>surgical nursing</p> <ul style="list-style-type: none"> • Review of Concepts of Health and illness Disease - concepts, causations, classification diseases (ICD -10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness • Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process • Role of nurse, patient and family in care of adult patient • Role and responsibilities of a nurse in medical surgical settings: <ul style="list-style-type: none"> □ Outpatient department □ In-patient unit □ Intensive care unit □ Home and Community settings • Introduction to Medical Surgical asepsis <ul style="list-style-type: none"> □ Inflammation & Infection □ Immunity □ Wound healing • Care of Surgical Patient <ul style="list-style-type: none"> □ Pre-operative □ Intraoperative □ Postoperative 	<ul style="list-style-type: none"> • Demonstration • Practisesession Supervised clinical practice 	* Fill in the Blanks
II	15	<p>Common signs and symptoms and management</p> <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 	* Essay type * Objective type * Fill in the Blanks
		<p>Nursing management of patients (adults including elderly) with respiratory problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system, • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with– <ul style="list-style-type: none"> □ Upper Respiratory tract infections 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practisesession • Case discussions/Seminar 	* Essay type * Objective type * Fill in the Blanks

III	20	<ul style="list-style-type: none"> ❑ Bronchitis ❑ Asthma ❑ Emphysema ❑ Empyema ❑ Atelectasis ❑ Chronic Obstructive Pulmonary Diseases(COPD) ❑ Bronchiectasis ❑ Pneumonia ❑ Pulmonary tuberculosis ❑ Lung abscess ❑ Pleural effusion ❑ Cysts and Tumours ❑ Chest injuries ❑ Respiratory arrest and insufficiency ❑ Pulmonary embolism <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of respiratory disorders</p>	<ul style="list-style-type: none"> • Health education • Supervised clinical practice • Drug book/presentation 	
IV	25	<p>Nursing management of patient (adults including elderly) with disorders of digestive system</p> <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 ❑ Esophagus-inflammation stricture, obstruction, bleeding and tumours ❑ Stomach and duodenum-hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumours, pyloric stenosis ❑ Small intestinal disorders-inflammation & infection, enteritis, malabsorption, obstruction, tumor and perforation ❑ Large intestinal disorders-Colitis, inflammation and infection, obstruction and tumor and lump ❑ Hernias ❑ Appendix – inflammation, mass, abscess, rupture 	<p>Teaching Learning Activities</p> <ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practisesession • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book/presentation • Assessment of skills with checklist • Assessment of patient management problem 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> ❑ Anal & Rectum ; hemorrhoids, fissures, Fistulas ❑ Peritonitis/acute abdomen ❑ Pancreas; inflammation, cyst, abscess and tumours ❑ Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours ❑ Gall Bladder; inflammation, obstruction, stones and tumours <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system</p>		
V	30	<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 & medical, surgical, dietetics & nursing management of –Vascular system <ul style="list-style-type: none"> ❑ Hypertension, Hypotension ❑ Atherosclerosis ❑ Raynaud’s disease ❑ Aneurism and Peripheral vascular disorders • Coronary artery diseases <ul style="list-style-type: none"> ❑ Ischemic Heart Disease ❑ Coronary atherosclerosis ❑ 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"> ❑ Anaemia ❑ Polycythemia ❑ Bleeding disorders; clotting factor defects and platelet defects 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practisesession • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book/presentation • Visit to blood bank • Participation in blood donation camps • Counselling • Assessment of skills with checklist • Assessment of patient management problem 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> ❑ Thalassemia ❑ Leukemia ❑ Leukopenia and agranulocytosis ❑ Lymphomas ❑ Myelomas • Specialtherapies <ul style="list-style-type: none"> ❑ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for bloodtransfusion. ❑ Management & counsel-ling of blood donors, phlebotomy procedure, & post donation management Blood bank functioning & hospital transfusion committee. Bio-safety and waste managementin relation to bloodtransfusion ❑ Role of a nurse in Organ donation, retrieval and banking ❑ Alternativetherapies ❑ Nursingprocedures ❑ Drugs used in treatment of blood and cardio vascular disorders 		
VI	10	<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 Physicalassessment • Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical,surgical, dietetics and nursing management of– • Nephritis • Nephroticsyndrome • Nephrosis • Renalcalculus • Tumours • Acute renalfailure • Chronic renalfailure • End stage renaldisease • Dialysis, renaltransport • Congenital disorders, urinaryinfections • Benign prostatehypertrophy • Disorders of ureter, urinary bladder and urethra inflammation, infection, stricture. obstruction, tumor, prostate Special therapies, alternativetherapies • Nursingprocedures 	<ul style="list-style-type: none"> • LectureDiscussio n • Explain using charts,graphs • Models, films,slides • Demonstration • Practicessession • Case discussions/Semi nar • Healtheducation • Supervised clinicalpractice • Drug book/presentati on 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> • Drugs used in treatment of genito-urinary disorders 		
VII	5	<p>Nursing management of disorders of male (adults including elderly) reproductive system</p> <p>Review of anatomy and physiology of male reproductive system</p> <ul style="list-style-type: none"> • Nursing Assessment -History and physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of male reproductive system • Congenital malformations; cryptorchidism • Hypospadias, Epispadias • Infections • Testis and adjacent structures • Penis • Prostate: inflammation, infection, hypertrophy, tumor • Sexual Dysfunction • Infertility • Contraception • Breast ; gynecomastia, tumor • Climacteric changes <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system</p>	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practisesession • Case discussions/Seminar • Health education • Supervised clinical practice Drug book/presentation 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VIII	10	<p>Nursing management of patient (adults including elderly) with disorders of endocrine system</p> <ul style="list-style-type: none"> □ Review of anatomy and physiology endocrine system □ Nursing Assessment -History and Physical assessment □ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of- □ Disorders of Thyroid and Parathyroid □ Diabetes mellitus □ Diabetes insipidus □ Adrenal tumor □ Pituitary disorders <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of</p>	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides □ Demonstration □ Practisesession □ Case discussions/Seminar □ Health education □ Supervised clinical practice □ Drug book/presentation Assessment of skills with check 	

		endocrine system	list Assessment of patient management problem	
IX	10	<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 & medical, surgical, dietetics & nursing management of disorders of skin and its appendages □ Lesions and abrasions □ Infection and infestations; Dermatitis □ Dermatomes ; infectious and Non infectious “inflammatory dermatomes” □ 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 <p>Assessment of skills with check list Assessment of patient management problem</p>	*
X	15	<p>Nursing management of patient (adults including elderly) with musculo-skeletal problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of musculo-skeletal system • Nursing Assessment - History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – • Disorders of : • Muscles, Ligaments and Joints- inflammation, infection, trauma • Bones –inflammation, infection, dislocation, fracture, tumor and trauma • Osteomalacia and osteoporosis • Arthritis • Congenital deformities 	<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"> • Spinal column – defects & 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"> • Drug book/ presentation • Assessment of skills with check List <p>Assessment of patient management problem</p>	
XI	10	<p>Nursing management of patient (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> • Review of Immunesystem • Nursing Assessment -History and Physicalassessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical,surgical, dietetics & nursing management of- • Immunodeficiencydisorder • Primary Immunodeficiency • Phagocyticdysfunction • B-cell and T-celldeficiencies • SecondaryImmuno-deficiencies • Acquired immunodeficiency syndrome(AIDS) • Incidence of HIV &AIDS • Epidemiology • Transmission - Prevention ofTransmission • Standard Safetyprecautions • 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"> • Lecture Discussion • Explain using charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Orientation visit to Hospital Control system • Assessment of skills with check list • Assessment of patient management problem 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
		<p>Nursing management of patient (adults including elderly) with Communicable Diseases</p> <ul style="list-style-type: none"> • Overview of infectious disease, the 	<ul style="list-style-type: none"> <input type="checkbox"/> Lecture Discussion <input type="checkbox"/> Explain using charts, graphs 	<ul style="list-style-type: none"> * Essaytype * Objective type

XII	20	<p>infectiousprocess</p> <ul style="list-style-type: none"> • Nursing Assessment -History and Physicalassessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietics. Control and eradication of common CommunicableDiseases- <ul style="list-style-type: none"> ❑ Tuberculosis ❑ Diarrheal diseases ❑ Hepatitis A-E ❑ Herpes ❑ Chickenpox ❑ Smallpox ❑ Typhoid ❑ Meningitis ❑ Gasgangrene ❑ 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"> ❑ Models, films, slides ❑ Demonstration ❑ Practice session ❑ Case discussions/ Seminar ❑ Health education ❑ Supervised clinical practice ❑ Drug book/ presentation ❑ Assessment of skills with check list ❑ Assessment of patient management problem 	* Fill in the Blanks
		<p>Peri operative nursing:</p> <ul style="list-style-type: none"> • Organization and Physical set up of theOperation Theatre (OT): <ul style="list-style-type: none"> ❑ Classifications ❑ O.T.DESIGN ❑ Staffing ❑ Members of the OTteam ❑ Duties and responsibilities of nurse inO.T. ❑ Principles of Health and operating roomattire 	<ul style="list-style-type: none"> ❑ Lecture Discussion ❑ Explain using charts, graphs, Models, films, slides ❑ Demonstration ❑ Practice session ❑ Supervised clinical practice ❑ Drug book/ presentation 	* Essaytype * Objective type * Fill in the Blanks

XIII	25	<ul style="list-style-type: none"> ❑ Instruments, ❑ Sutures & suture materials ❑ Equipments ❑ O.T. tables and sets for common surgical procedures ❑ Positions and draping for common surgical procedures ❑ Scrubbing procedures ❑ Gowning and gloving ❑ Preparation of O.T. Sets ❑ Monitoring the patient during surgical procedures • Maintenance of therapeutic environment in O.T • Standard Safety measures <ul style="list-style-type: none"> ❑ Infection control ; fumigation, disinfection and sterilization ❑ Biomedical waste management ❑ Prevention of accidents and hazards in O.T. • Anesthesia <ul style="list-style-type: none"> ❑ Types ❑ Methods of administration ❑ Effects and Stages ❑ Equipments ❑ Drugs ❑ Cardio Pulmonary Resuscitation (CPR) ❑ Pain management techniques ❑ Legal Aspects 	<ul style="list-style-type: none"> ❑ Assessment of skills with check list <p>Assessment of patient management problem</p>	
XIV	05	<p>Introduction to patient safety measures</p> <ul style="list-style-type: none"> • Medico Legal cases and Patient rights • Medical Negligence and Malpractice • Prevention of accidents & infections <p>Legal responsibilities & maintenance of quality nursing care</p>		<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Bruno peulenic, Patrick Maxial, *Medical Surgical Nursing- Pathophysiological Concept*, J.B .Linnincott Co. Philadelnhia.
2. Sorensen and Luckmann, *Basic Nursing A Psycho-Physiological Approach*, John Wright publishing Co.
3. Perry, Ann G. and Patricia A. Potter, *Clinical Nursing Skills and Techniques*, The C.V Mosby Co., 1990, St Louis.
4. Mary Powell, *Orthopaedic Nursing*, ELBS, 1976.
5. Sathoskar R. S., *Pharmacology and Pharmacotherapeutics*, Bombay popular Prakashan, Bombay.

Year	II Year
Subject	Pharmacology, Pathology and Genetics
THEORY	PRACTICAL
45+45+15	-

Course Description

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

Part A: Pharmacology

Course Outcome

- ⇒ Understanding the pharmaco-dynamics, pharmacokinetics, classification and principles of drug administration.
- ⇒ Applying knowledge in commonly used drugs like chemotherapy of specific infection and infestations, antiseptics, disinfectants and insecticides.
- ⇒ Demonstrating actions, dose, and route of various drugs on different systems of the body and the nurse responsibility.
- ⇒ Analyzing the toxic symptoms relating to common drugs and poisons.
- ⇒ Evaluating the various adverse effects of drugs on different system of body.
- ⇒ Creating awareness of common drugs used in alternative system of medicine

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
		Introduction to pharmacology <ul style="list-style-type: none"> • Definitions • Sources • Terminology used • Types: Classification • Pharmacodynamics: Actions, therapeutic 	* Lecture Discussion	* Essay type * Objective type * Fill in the Blanks

I	3	<ul style="list-style-type: none"> • 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 		
II	6	<p>Chemotherapy</p> <ul style="list-style-type: none"> • Pharmacology of commonly used; <ul style="list-style-type: none"> □ Penicillin □ Cephalosporin's □ Aminoglycosides □ Macrolide & Broad Spectrum Antibiotics □ Sulfonamides □ Quinolones □ Antiamoebic □ Antimalarials □ Anthelmintics □ Antiscabies agents □ Antiviral & anti-fungal agents □ Antitubercular drugs □ Anti leprosy drugs □ Anticancer drugs □ Immuno-suppressants <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	* Lecture Discussion Drug study/presentation	* Essay type * Objective type * Fill in the Blanks
III	2	<p>Pharmacology of commonly used antiseptics, disinfectants and insecticides</p> <ul style="list-style-type: none"> • Antiseptics; • Disinfectants • Insecticides 	* Lecture Discussion Drug study/presentation	* Essay type * Objective type * Fill in the Blanks
IV	2	<p>Drugs acting on G.I. system</p> <ul style="list-style-type: none"> • Pharmacology of commonly used- <ul style="list-style-type: none"> □ Antiemetic □ Emetics □ Purgatives □ Antacids □ Cholinergic □ Anticholinergics □ Fluid and electrolyte therapy □ Anti-diarrheal □ Histamines <p>Composition, action, dosage, route, indications, contraindications, drug</p>	* Lecture Discussion Drug study/presentation	* Essay type * Objective type * Fill in the Blanks

		interactions, side effects, adverse effects, toxicity and role of nurse		
V	2	<p>Drugs used on Respiratory Systems</p> <ul style="list-style-type: none"> • Pharmacology of commonly used– <ul style="list-style-type: none"> □ Antiasthmatics □ Mucolytics □ Decongestants □ Expectorants □ Antitussives □ Bronchodilators □ Bronchoconstrictors □ Antihistamines <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	* Lecture Discussion Drug study/presentation	* Essaytype * Objective type * Fill in the Blanks
VI	2	<p>Drugs used on Urinary System</p> <ul style="list-style-type: none"> • Pharmacology of commonly used– <ul style="list-style-type: none"> □ Diuretics andantidiuretics □ Urinaryantiseptics □ Cholinergic and anticholinergics □ Acidifiers andalkalanizers □ Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 	* Lecture Discussion * Drug study/presentation	* Essaytype * Objective type * Fill in the Blanks
VII	4	<p>Miscellaneous</p> <ul style="list-style-type: none"> • Drugs used inde-addiction • Drugs used in CPR andemergency • Vitamins andminerals • Immunosuppressant’s • Antidotes • Antivenom • Vaccines andsera 	* Lecture Discussion Drug study/presentation	* Essaytype * Objective type * Fill in the Blanks
VIII	1	<p>Drugs used on skin and mucous membranes</p> <ul style="list-style-type: none"> • Topical applications for skin, eye, ear, nose and buccal cavityAntipruritics • Composition, action, dosage, route, indications, contraindications, drug interactions, sideeffects, adverse effects, toxicity and role ofnurse 	* Lecture Discussion * Drug study/presentation	* Essaytype * Objective type * Fill in the Blanks
		<p>Drugs acting on Nervous system</p> <ul style="list-style-type: none"> • Basic & applied Pharmaco-logy of commonly used: • Analgesics andAnesthetics □ Analgesics <ul style="list-style-type: none"> - Non steroidal anti - inflammatory (NSAID)drugs 	☑ Lecture Discussion Drug study/presentation	* Essaytype * Objective type * Fill in the Blanks

IX	8	<ul style="list-style-type: none"> ❑ Antipyretics ❑ Hypnotics and Sedatives <ul style="list-style-type: none"> - Opioids - Non-Opioids - Tranquilizers - General & local anesthetics - Gases : oxygen, nitrous oxide, carbon-dioxide • Cholinergic and anti-cholinergic: ❑ Musclerelaxants ❑ Major tranquilizers ❑ Anti-psychotics ❑ Antidepressants ❑ Anticonvulsants ❑ Adrenergic ❑ Noradrenergics ❑ Mood stabilizers ❑ Acetylcholine ❑ Stimulants ❑ Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 		
X	5	<p>Cardiovascular drugs</p> <ul style="list-style-type: none"> • Haematinics • Cardiotonics • Antianginals • Anti-hypertensives & Vasodilators • Anti-arrhythmics • Plasmaexpanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	* Lecture Discussion Drug study/presentation	* Essay type * Objective type * Fill in the Blanks
XII	6	<p>Introduction to Drugs used in alternative systems of medicine:</p> <ul style="list-style-type: none"> • Ayurveda, Homeopathy, Unani and Siddha etc. 	Teaching learning Activities * Lecture Discussion Observational Visits	* Essay type * Objective type * Fill in the Blanks
		<p>Drugs used for hormonal disorders & supplementation, contraception and medical termination of pregnancy</p> <ul style="list-style-type: none"> • Insulins & Oral hypoglycemics • Thyroid supplements and suppressants • Steroids, Anabolics 	* Lecture Discussion Drug study/presentation	* Essay type * Objective type * Fill in the Blanks

XI	4	<ul style="list-style-type: none"> • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progesterone preparations • Corticotrophins & Gonadotropins • Adrenaline • Prostaglandins • Calcitonin's • Calcium salts • Calcium regulators <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
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Reference Books

1. Richard A. Lehne, *Pharmacology for Nursing Care*, W. B. Saunders Co., 2006, Australia.
2. Bruce D. Clayton, *Basic Pharmacology for Nurses*, Jaypee, New Delhi.
3. Linda Lane Lilley, *Study Guide for Pharmacology and the Nursing Process*, Mosby, 2007.

Latest editions of all the suggested books are recommended.

Part B: Pathology

Course Outcome

- ⇒ Understanding the deviation from normal to abnormal structure and functions of the body system
- ⇒ Applying the knowledge of pathological changes in disease condition of whole body
- ⇒ Demonstrating various laboratory tests in assessment and monitoring disease condition.
- ⇒ Analysing the laboratory tests for examination of body cavity fluids, transudates and exudates.
- ⇒ Evaluating the basic bed-side clinical pathology procedures of urine and stool examination.
- ⇒ Creating strategies to identify the disease through pathological changes and laboratory tests.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	3	<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 <ul style="list-style-type: none"> • 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"> * Essay type * Objective type * Fill in the Blanks
II	T-10 P-5	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 and tumours 		<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
III	T-10 P-5	<ul style="list-style-type: none"> • Cardio-vascular system □ Pericardial effusion <ul style="list-style-type: none"> □ 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 □ Hepatitis, Chronic liver abscess, 	<ul style="list-style-type: none"> □ Teaching learning Activities □ Lecture □ Discussion □ Explain using charts, slides, specimen, X-rays and scans Visit to Pathology lab, endoscopy unit 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<p>cirrhosis</p> <ul style="list-style-type: none"> ❑ Tumours of liver, gall bladder and pancreas, ❑ Cholecystitis ❑ Kidneys & Urinary tract ❑ Glomerulonephritis, pyelonephritis ❑ Calculi, renal failure, renal carcinoma & cystitis ❑ Male genital systems ❑ Cryptorchidism, testicular atrophy ❑ Prostatic hyperplasia, carcinoma Penis & prostate ❑ Female genital system ❑ Fibroids ❑ Carcinoma cervix and Endometrium ❑ Vesicular mole, choriocarcinoma ❑ Ectopic gestation ❑ Ovarian cyst & tumours ❑ Cancer Breast ❑ Central Nervous system ❑ Hydrocephalus, Meningitis, encephalitis, ❑ Vascular disorders - thrombosis, embolism ❑ Stroke, paraplegia, quadriplegia ❑ Tumours, meningioma-gliomas ❑ Metastatic tumour ❑ Skeletal system ❑ Bone healing, osteoporosis, osteomyelitis ❑ Arthritis & tumours 	and OT	
IV	T-4 P-3	<p>Clinical pathology</p> <ul style="list-style-type: none"> • Various blood and bone marrow tests in assessment and monitoring of disease conditions ❑ Hemoglobin ❑ RBC, White cell & platelet counts ❑ Bleeding time, clotting time and prothrombin time ❑ Blood grouping and cross matching ❑ Blood chemistry ❑ Blood culture ❑ Serological and immunological tests ❑ Other blood tests ❑ Examination of Bone marrow ❑ Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	<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"> * Essay type * Objective type * Fill in the Blanks
		Examination of body cavity fluids, transudates and exudates	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> * Essay type * Objective

V	T-2 P-1	<ul style="list-style-type: none"> The laboratories tests used in CSF analysis Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge etc Analysis of gastric and duodenal contents Analysis of semen-sperm count, motility and morphology and their importance in infertility Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	Demonstration	<ul style="list-style-type: none"> type * Fill in the Blanks
VI	T-1 P-1	<p>Urine and faeces</p> <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"> * Essay type * Objective type * Fill in the Blanks

Part C: Genetics

Course Outcome

- ⇒ Understanding the nature, principles and perspectives of heredity
- ⇒ Applying theoretical and practical knowledge about medical genetics
- ⇒ Demonstrating the types of inheritance in human and common genetic disorders
- ⇒ Analyzing the screening methods for genetic defects and diseases in neonates, children and adults
- ⇒ Evaluating the role of nurse in genetic services and practical skills of genetic counseling
- ⇒ Creating of pedigree and analysis of pattern of inheritance of genetic diseases

Course Content

Unit	Time (Hrs)	Content and Teaching	Teaching Learning Activities	Assessment Methods
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		Learning Activities		
I	3	<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 <ul style="list-style-type: none"> □ Mendelian theory of inheritance □ Multiple alleles and blood groups □ Sex linked inheritance □ Mechanism of inheritance □ Errors in transmission (Mutation) 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
II	3	<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 • Prenatal nutrition and food allergies • Maternal Age • Maternal drug therapy • Prenatal testing and diagnosis • Effect of Radiation, drugs and chemicals • Infertility • Spontaneous abortion • Neural Tube Defects and the role of folic acid in lowering the risks • Down syndrome (Trisomy 21) 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
III	2	<p>Genetic testing in the neonates and children</p> <ul style="list-style-type: none"> • Screening for <ul style="list-style-type: none"> □ Congenital abnormalities □ Developmental delay □ Dimorphisms 	<ul style="list-style-type: none"> * Lecture * Discussion * Explain using charts, slides 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Genetic conditions of adolescents and adults</p> <ul style="list-style-type: none"> • Cancer genetics – Familial Cancer • Inborn errors of metabolism • Blood group alleles and hematological disorder • Genetic haemochromatosis • Huntington's disease 	<ul style="list-style-type: none"> * Lecture * Discussion * Explain using charts, slides 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

IV	2	<ul style="list-style-type: none"> • Mental illness 		
V	5	Services related to Genetics <ul style="list-style-type: none"> • Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetic Counselling Legal and Ethical issues Role of nurse	<ul style="list-style-type: none"> * Lecture * Discussion * Explain using charts, slides 	

Reference Books

1. Kavita B. Ahluwalia, Genetics, New Age International (P) LTD, New Delhi.
2. Pal G. P, *Basics of Medical Genetics*, A.I.T.B.S Publishers, New Delhi.
3. Kumari Navneet, *Essential Genetics for Nurses*, Lotus publication, Jalandhar.

Latest editions of all the suggested books are recommended.

Year	II Year
Subject	Community Health Nursing - I
THEORY	PRACTICAL
90	135

Course Description

This course is designed for students to appreciate the principle of promotion and maintenance of health

Course Outcome

- ⇒ Understanding the concepts, theories and principles of community health Nursing and various factors influencing health in the community.
- ⇒ Understand the concept of epidemiology, Methods and approaches of epidemiology.
- ⇒ Applying the theories and principles in preventing and promoting health by family centered epidemiological approach in providing care to individuals, families, and community for communicable and non-communicable diseases.

- ⇒ Understand the health assessment of individual & family while providing family oriented care and the functions of urban and rural health centres with health team.
- ⇒ Appreciate the concept and scope of demography.
- ⇒ Understand the impact of population explosion and population control.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	2	Introduction <ul style="list-style-type: none"> • Community health nursing • Definition, concept and dimensions of health • Promotion of health • Maintenance of health 	Lecture discussion	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
II	20	Determinants of health <ul style="list-style-type: none"> • Eugenics • Environment: <ul style="list-style-type: none"> □ Physical : Air, light, Ventilation, Water, Housing, Sanitation; disposal of waste, disposal of dead bodies, Forestation, Noise, Climate, Communication: infrastructure facilities and Linkages □ Acts regulating the environment: National Pollution control board □ Bacterial & viral: Agents, host carriers and immunity □ Arthropods and Rodents • Food hygiene: Production, Preservation, Purchase, Preparation, Consumption • Acts regulating food hygiene- Prevention of food adulteration act, drugs and cosmetic act • Socio-cultural <ul style="list-style-type: none"> □ Customs, taboos □ Marriage system □ Family structure □ Status of special groups; Females, Children, Elderly, challenged groups and Sick persons • Life Style • Hygiene • Physical activity <ul style="list-style-type: none"> □ Recreation and sleep 	<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 * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> ❑ Sexual life ❑ Spiritual life philosophy ❑ Self reliance ❑ Dietary pattern ❑ Education ❑ Occupation • Financial Management <ul style="list-style-type: none"> ❑ Income ❑ Budget ❑ Purchasing power ❑ Security 		
III	10	<p>Epidemiology</p> <ul style="list-style-type: none"> • Definition, concept, aims, scope, uses and terminology used in epidemiology • Dynamics of disease transmission :epidemiological triad • Morbidity and mortality :measurements • Levels of prevention • Methods of epidemiology of <ul style="list-style-type: none"> ❑ Descriptive ❑ Analytical: Epidemic investigation ❑ Experimental 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs Models, films, slides 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
IV	25	<p>Epidemiology and nursing management of common Communicable Diseases</p> <ul style="list-style-type: none"> • Respiratory infections <ul style="list-style-type: none"> ❑ Small Pox ❑ Chicken Pox ❑ Measles ❑ Influenza ❑ Rubella ❑ ARI's & Pneumonia ❑ Mumps ❑ Diphtheria ❑ Whooping cough ❑ Meningococcal meningitis ❑ Tuberculosis ❑ SARS • Intestinal Infections <ul style="list-style-type: none"> ❑ Poliomyelitis ❑ Viral Hepatitis ❑ Cholera ❑ Diarrheal diseases ❑ Typhoid Fever ❑ Food poisoning ❑ Amoebiasis ❑ Hook worm infection ❑ Ascariasis ❑ Dracunculiasis 	<ul style="list-style-type: none"> ❑ Lecture discussion ❑ Explain using Charts, graphs ❑ Models, films, slides ❑ Seminar, Supervised field practice - health centers, clinics and homes Group projects/ Health education 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> ❑ Arthropod infections ❑ Dengue ❑ Malaria ❑ Filariasis ❑ Zoonoses ❑ Rabies ❑ Viral ❑ Yellow fever ❑ Japanese encephalitis ❑ Kyasnur Forest Disease ❑ Bacterial ❑ Brucellosis ❑ Plague ❑ Human Salmonellosis ❑ Anthrax ❑ Leptospirosis ❑ Rickettsial diseases ❑ Rickettsial Zoonoses ❑ Scrub typhus ❑ Murine typhus ❑ Tick typhus ❑ Q fever ❑ Parasitic zoonoses ❑ Taeniasis ❑ Hydatid disease ❑ Leishmaniasis ❑ Surface infection ❑ Trachoma ❑ Tetanus ❑ Leprosy ❑ STD & RTI ❑ Yaws ❑ HIV/AIDS Any other 		
V	10	<p>Epidemiology and nursing management of Non - communicable diseases</p> <ul style="list-style-type: none"> ● Malnutrition: under nutrition, overnutrition, nutritional deficiencies ● Anaemia ● Hypertension ● Stroke ● Rheumatic Heart Disease ● Coronary Heart Disease ● Cancer ● Diabetes mellitus ● Blindness ● Accidents ● Mental illness ● Obesity ● Iodine deficiency ● Fluorosis 	<ul style="list-style-type: none"> ● Lecture discussion ● Explain using Charts, graphs ● Models, films, slides ● Seminar, Supervised field practice - health centers, clinics and homes <p>Group projects/ Health education</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> • Epilepsy 		
VI	6	<p>Demography</p> <ul style="list-style-type: none"> • Definition, concept and scope • Methods of collection, analysis & interpretation of demographic data • Demographic rates and ratios 	<ul style="list-style-type: none"> • Lecture discussion • Community identification survey • Assessment of survey report 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VII	17	<p>Population and its control</p> <ul style="list-style-type: none"> • Population explosion and its impact on social, economic development of individual, society and country • Population control: <ul style="list-style-type: none"> □ Overall development: Women empowerment, social, economic and educational development • Limiting family size: <ul style="list-style-type: none"> □ Promotion of small family norm □ Methods : spacing (natural, biological, chemical, mechanical method etc) □ Terminal : surgical methods □ Emergency contraception 	<ul style="list-style-type: none"> • Lecture discussion • Population survey • Counseling • Demonstration • Practice session • Supervised field practice • Assessment of survey report 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Clark, June & Jill Handerson, *Community Health*, Churchill Livingstone, New York.
2. Freeman B. Ruth, *Public Health Practices*, W. W. Saunders CO., Philadelphia.
3. Fromer Joan Margot, *Community Health Care and the Nursing Process*, C.V Mosby CO., Toronto.
4. Park J. E, *Text Book of Preventive and Social Medicine*, Ms Banarsidas Bhanot CO., Jabalpur.
5. Rao S. Kasthi, *An Introduction to Community Health Nursing*, B. I. Publishers, Madras.

Latest editions of all the suggested books are recommended.

Year	II Year
Subject	Communication and Educational Technology
THEORY	PRACTICAL
60+30	-

Course Description

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

Course Outcome

- ⇒ Understanding the concepts, principles, philosophies and trends in teaching-learning process.
- ⇒ Applying various instructional media and methods in teaching learning process along with the tools and techniques for assessment of knowledge, skill, and attitude.
- ⇒ Demonstrating the principles and steps of guidance and counselling.
- ⇒ Analyzing the importance of communication process, interpersonal relationship and human relations.
- ⇒ Evaluating the effective use of Information, Education and Communication (IEC) for health.
- ⇒ Creating new methods and instructional Medias for the teaching learning process

Courses Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	3	Review of Communication Process <ul style="list-style-type: none"> • Process; elements and channel • Facilitators • Barriers and methods of overcoming • Techniques 	<ul style="list-style-type: none"> • LectureDiscussion • Roleplays • Exercises with audio/videotapes Respond to criticalincidents	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
II	3	Interpersonal relations <ul style="list-style-type: none"> • Purpose &types • Phases • Barriers & methods ofovercoming • Johari Window 	<ul style="list-style-type: none"> • LectureDiscussion • Roleplays Exercises with audio/video tapes Process recording	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
III	5	Human relations <ul style="list-style-type: none"> • Understandingself • Social behaviour, motivation, socialattitudes • Individual and groups • Groups &individual • Human relations in context ofnursing • Groupdynamics • Teamwork 	<ul style="list-style-type: none"> • LectureDiscussion • Sociometry • Groupgames • Psychometric exercises followed bydiscussion Respond to criticalincidents	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
IV	T-10 P-5	Guidance & counselling <ul style="list-style-type: none"> • Definition • Purpose, scope &need • Basicprinciples • Organization of counselingservices • Types of counsellingapproaches • Role and preparation ofcounselor • Issues for counseling in nursing: students and practitioners • Counselling process – steps & techniques, tools of counselor • Managing disciplinaryproblems • Management of crisis &referral 	<ul style="list-style-type: none"> • LectureDiscussion • Role play on counselling in different situations followed bydiscussion Assess performance in role playsituations	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
		Principles of education & teaching learning process <ul style="list-style-type: none"> • Education: meaning, philosophy, aims,functions &Principles • Nature and characteristics oflearning, 	<ul style="list-style-type: none"> • LectureDiscussion • Prepare lessonplan • Microteaching 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

V	7	<ul style="list-style-type: none"> Principles and maxims of teaching, Formulating objectives: general and specific Lesson planning Classroom management 	<ul style="list-style-type: none"> Exercise on writing objectives Assess lesson plans & teaching sessions 	
VI	T-10 P-10	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 Assess teaching sessions 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VII	T-12 P-8	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 <p>Assess the teaching aids prepared</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VIII	T-7 P-7	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 <p>Exercise on writing different types of assessment tools</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		Information, Education & communication for health (IEC)	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> * Essay type * Objective

IX	3	<ul style="list-style-type: none"> • Health behaviour & health education • Planning for health education • Health education with individuals, groups & communities • Communicating health messages • Methods & media for communicating health messages • Using mass media • Assess the strategies used in practice teaching sessions and exercise sessions 	<ul style="list-style-type: none"> • Plan & conduct health education sessions for individuals, group & communities <p>Assess the planning & conduct of the educational session</p>	<p>type</p> <p>* Fill in the Blanks</p>
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References Books

1. Neelam Kumari, *A PV Text Book of Communication & Education Technology*, 2008.
2. Clark, June & Jill Handerson, *Community Health*, Churchill Livingstone, 1993, New York.
3. Freeman B. Ruth, *Public Health Practices*, W. W. Saunders CO., 1990, Philadelphia.
4. Fromer Joan Margot, *Community Health Care and the Nursing Process*, C.V Mosby CO., Toronto.
5. Park J. E, *Text Book of Preventive and Social Medicine*, Ms Banarsidas Bhanot CO., 1996, Jabalpur.
6. Rao S. Kasthi, *An Introduction to Community Health Nursing*, B. I. Publishers, Madras.
7. Stan hope & Lancaster Janette, *Community Health Process and Practice for Promoting Health*, C.V Mosby & CO. London.
8. Werner David, *Where There is no Doctor: A Village Heath Care Hand Book*, The Herperian Foundation, California.

Latest editions of all the suggested books are recommended.

Year	II Year
Subject	Medical Surgical Nursing I - Practical
THEORY	PRACTICAL
-	720

Course Contents

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
General Medical Ward (*Respira	6	<ul style="list-style-type: none"> • Assessment of the patient □ Taking history □ Perform general and specific physical examination 	<ul style="list-style-type: none"> • Plan and give care to 3 - 4 assigned patients • Nursing care plan-2 	<ul style="list-style-type: none"> • Assess performance with ratings scale

tory, GI, Endocrine, Renal, Hematology		<ul style="list-style-type: none"> ❑ Identify alterations and deviations • Practice medical surgical asepsis-standard safety measures • Administer medications ❑ Oral, IV, IM, Subcutaneous • IV therapy ❑ IV canulation ❑ Maintenance and monitoring • Oxygen therapy by different methods • Nebulization • Chest physiotherapy • Naso gastric feeding • Assist in common diagnostic • Perform/Assist in therapeutic procedures • Blood and component therapy • Throat Suctioning • Collect specimens for common investigations • Maintain elimination ❑ Catheterization ❑ Bowel wash ❑ Enema ❑ Urinary drainage • Maintain Intake, output and documentation • Counsel and teach related to specific disease conditions 	<ul style="list-style-type: none"> • Nursing case study/ presentation - 1 • Drug presentation - 1 • Maintain drug book • Maintain Practical record book 	<ul style="list-style-type: none"> • Assess each skill with checklist • Evaluation of case study/presentation • Completion of practical record
General Surgical Ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> • Post operative care- Receiving pt, assessment, monitoring care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care ❑ Gastrostomy ❑ Colostomy • Blood & component therapy • Practice universal precautions 	<ul style="list-style-type: none"> • Nursing care plan-2 • Nursing case study/ presentation - 1 • Maintain drug book 	<ul style="list-style-type: none"> each skill with checklist • Evaluation of case study/presentation • Completion of activity record
Cardiology ward	2	<ul style="list-style-type: none"> • Physical examination of cardiovascular system Recording and interpreting ECG • Monitoring of patients 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Nursing care plan-1 	<ul style="list-style-type: none"> • Assess performance with ratings scale

		<ul style="list-style-type: none"> • Preparation and assisting in non-invasive and invasive diagnostic procedures • Administer cardiac drugs • Cardio pulmonary Resuscitation • Teach patients and families • Practice medical and surgical asepsis– Standard safety measures 	<ul style="list-style-type: none"> • Nursing case study/ presentation/ Healthtalk – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess each skill with checklist • Evaluation of case study/presentation/healthtalk • Completion of activity record
Skin & Communicable diseases Ward	1	<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 • Healthtalk /Counseling HIV positive patients and families –1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with ratingscale • Evaluation healthtalk /Counseling session • Completion of activity record
Orthopedic ward	2	<ul style="list-style-type: none"> • Assessment of orthopedic patients • Assist in application of plaster cast and removal of cast • Apply skin traction- buck's extension traction • Assist in application and removal of prosthesis • Physiotherapy -Range of motion exercises (ROM), muscle strengthening exercises • Crutch maneuvering technique • Activities of daily living • Ambulation • Teach and counsel patients & families 	<ul style="list-style-type: none"> • Plan & give care to 2-3 assigned patients • Nursing care plan-1 • Nursing case study/ presentation – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with ratingscale • Evaluation of nursing care plan & nursing case study /presentation • Completion of activity record
Operation Theatre	6	<ul style="list-style-type: none"> • Scrubbing, gowning gloving • Identify instruments suturing materials for common operations • Disinfection, Carbonization, fumigation 	<ul style="list-style-type: none"> • Assist as a circulatory nurse in • Major cases- 10 • Minor cases – 5 • Assist as a scrub 	<ul style="list-style-type: none"> • Assess performance with ratingscale • Completion of activity record

		<ul style="list-style-type: none"> • 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 	<p>nurse in</p> <ul style="list-style-type: none"> • Major cases- 10 • Minor cases – 5 • Maintain drug book 	
CLINICAL TRAINING			TIME: 260 HOURS (9 WEEKS)	
ICU, CCU, CARDIAC OT	2	<ul style="list-style-type: none"> • Assist in arterial puncture for blood gas analysis • Perform ECG and interpret accordingly. • Conduct & analysis pulse oximetry • Care with artificial airway • Assist in endotracheal intubation • Setting up ventilator • Giving care in ventilator • Drugsheet • Observation of special procedure in OT. 	<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 Ambubag. • Assessment for all assigned patients • Nursing care in ventilator • Drugsheet 	<ul style="list-style-type: none"> • Record book • Checking with supervisor
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> • Assess neurological status • Implement care to head injury spinal injury patients • Drugsheet • Pre and postoperative care with neuro surgery patients 	<ul style="list-style-type: none"> • Assessment for all assigned patients • Nursing care plan-2 • Drugsheet 	<ul style="list-style-type: none"> • Record book • Observation checklist
Burns & plastic Reconstructive surgery OT Lapro – scopic Orthopaedic Eye ENT	2	<ul style="list-style-type: none"> • Nursing care • Identify instruments • Assist in OT set up • Supervise sterilization • Assist in OT table layout • Observe immediately after operation • Supervise infection control 	<ul style="list-style-type: none"> • Assist - 5 cases 	<ul style="list-style-type: none"> • Record book

Year	II Year
Subject	Communny Health Nursing I - Practical
THEORY	PRACTICAL
-	135

Course Contents

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
Community health nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> • Use techniques of inter-personal relationship • Identification of health determinants of community • History taking • Physical examination • Collect specimens- sputum, malaria smear • Perform simple lab tests at centre - blood for Hemoglobin and sugar, urine for albumin and sugar • Administer vaccines and medications to adults • Counsel and teach individual, family and community <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 & rural • Family study –1 • Observation report of community – 1 • Health talks 2 (1 in urban & 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

Year	III Year
Subject	Medical Surgical Nursing-II
THEORY	PRACTICAL
120	270

Course Description

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

Course Outcome

- ⇒ Understanding the relevant Anatomy and Physiology of various system & issues in the field of Medical Surgical Nursing.
- ⇒ Applying nursing process & theories in meeting the needs of client.
- ⇒ Demonstrating skills in health assessment and nursing procedures in providing care to patients.
- ⇒ Analyzing various recent technologies & treatment modalities in the management of Medically and Surgically ill patients.
- ⇒ Evaluating evidence-based nursing practice and identify the areas of research in the field of Medical Surgical Nursing.
- ⇒ Creating modules for nursing care in the management of Medically and Surgically ill patient

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
		Nursing management of patient with disorders of Ear Nose and Throat <ul style="list-style-type: none"> • Review of anatomy and physiology of the Ear Nose and Throat 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using Charts, graphs 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the

I	1 5	<ul style="list-style-type: none"> • Nursing assessment- History and Physicalassessment • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical &Surgical nursing management of Ear Nose & Throatdisorders: • 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, <u>ethinitis</u>, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsilar abscess,laryngitis • Upper respiratory airway –epistaxis, • Nasal obstruction, laryngeal obstruction, cancer of the larynx • Cancer of the oralcavity • Speech defects and speechtherapy • Deafness – • Prevention, control andrehabilitation • Hearing Aids, implanted hearing devices SpecialTherapies <p>Nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness.</p>	<ul style="list-style-type: none"> • Models, films,slides • Demonstration • Practicession • Case discussions/Seminar • Healtheducation • Supervised clinicalpractice • Drug book/ presentation <p>Assessment of skills with checklist Assessment of patient managementproblem</p>	Blanks
		<p>Nursing management of patient with disorder of eye</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the eye– • Nursing Assessment - History and Physicalassessment • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical &Surgical nursing management of eyedisorders: <ul style="list-style-type: none"> ○ Refractive errors ○ Eyelids-infection, tumours &deformities ○ Conjunctiva - inflammation and infection,bleeding ○ Cornea-inflammation andinfection ○ Lens-Cataracts 	<ul style="list-style-type: none"> • LectureDiscussio n • Explain using Charts,graphs • Models, films,slides • Demonstration • Practicession • Case discussions/Seminar • Healtheducation • Supervised clinicalpractice • Drug book/presentatio 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

II	15	<ul style="list-style-type: none"> ○ Glaucoma ○ Disorder of the <u>uvea</u>tract, ○ Ocular tumours ○ Disorders of posterior chamber & retina : retinal and vitreous problems ○ Retinal detachment ○ Ocular emergencies and their prevention ● Blindness ● National blindness control program ○ Eye Banking ○ Eye prostheses and Rehabilitation <p>Role of nurse - Communication with visually impaired patient, Eye camps Special Therapies Nursing procedures Drugs used in treatment of disorders of eye</p>	<p>n</p> <ul style="list-style-type: none"> ● Visit to eye bank ● Participation in eye-camps ● Assessment of skills with checklist <p>Assessment of patient management problem</p>	
III	15	<p>Nursing management of patient with neurological disorders</p> <ul style="list-style-type: none"> ● Review of anatomy and physiology of the neurological system ● Nursing Assessment - History and Physical and neurological <p>Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of neurological disorders</p> <ul style="list-style-type: none"> ● Congenital malformations ● Headache ● Head Injuries ● Spinal Injuries: <ul style="list-style-type: none"> ○ Paraplegia ○ Hemiplegia ○ Quadriplegia ● Spinal cord compression-herniation of intervertebral disc ● Tumors of the brain & spinal cord ● Intra cranial & cerebral aneurysms ● Infections : Meningitis, Encephalitis, Brain abscess, neurocysticercosis ● Movement disorders <p>OChorea OSeizures OEpilepsies</p> <ul style="list-style-type: none"> ● 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 <p>Discussion</p> <ul style="list-style-type: none"> ● 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 ● Assessment of skills with check list <p>Assessment of patient management problem</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<p>ODelirium ODementia OAlzheimer's disease OParkinson's disease</p> <ul style="list-style-type: none"> • Management of unconscious patients & patients with stroke • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit <p>Role of nurse in long stay facility (institutions) and at home Special Therapies Nursing procedures Drugs used in treatment of neurological disorders</p>		
IV	16	<p>Nursing management of patients with disorders of female reproductive system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the female reproductive system • Nursing Assessment - History and Physical assessment • Breast Self Examination • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of disorder of female reproductive system • Congenital abnormalities of female reproductive system • Sexuality & 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 & cervical disorders; Endometriosis, polyps, Fibroids, Cervical & uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practisesession • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book/presentation • Assessment of skills with checklist • Assessment of patient management problem 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> • Infertility • Contraception ; Types Methods, Risk and effectiveness ○ 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 & surgical abortion – MTP Act • Toxic Shock Syndrome • Injuries & Trauma; Sexual violence Special Therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme 		
V	10	<p>Nursing management of patients with Burns, reconstructive & cosmetic surgery</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin & connective tissues and various deformities • Nursing Assessment - History and Physical assessment & Assessment of burns & fluid and electrolyte loss • Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Burns & Re-constructive and Cosmetic surgery; • Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries & cosmetic purposes • Role of Nurse • Legal aspects • Rehabilitation • Special therapies <ul style="list-style-type: none"> ○ Psycho social aspects Nursing procedures, Drugs used in treatment of Burns, reconstructive and cosmetic surgery 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practisesession • Case discussions/Seminar • Health education • Supervised clinical practice Drug book/presentation 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Nursing management of patients with oncological conditions</p> <ul style="list-style-type: none"> • Structure & characteristics of normal & cancer cells 	<ul style="list-style-type: none"> ○ Lecture Discussion ○ Explain using Charts, graphs 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the

VI	10	<ul style="list-style-type: none"> • Nursing Assessment - History and Physicalassessment • Prevention, Screening, Early detection, Warning signsof cancer • Epidemiology, Etiology, Classification, Patho-physiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing managementof oncologicalconditions • Common malignancies of various body systems ; Oral, larynx, lung, Stomach & Colon, Liver, Leukemia's & lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostataetc • Oncological emergencies • Modalities oftreatment <ul style="list-style-type: none"> ○ Immunotherapy ○ Chemotherapy ○ Radiotherapy ○ SurgicalInterventions ○ Stem cell and Bone marrow transplants ○ Gene therapy ○ Other forms of treatment ○ Psychosocial aspects of cancer ○ Rehabilitation ○ Palliative care; Symptom and Pain Management, Nutritional support ○ Home care ○ Hospice care ○ Stomal Therapy ○ Special therapies ○ oPsycho social aspects ○ Nursing procedures ○ ○ Teaching Learning Activity ○ Lecture Discussion ○ Explain using Charts, graphs ○ Models, films, slides ○ Demonstration ○ Practice session ○ Case discussions/ Seminar ○ Health education ○ Supervised clinical practice ○ Drug book/ presentation ○ Assessment of skills with check list ○ Assessment of patient management problem ○ Nursing management of patient in Emergency & Disaster situations ○ Disaster Nursing : ○ Concepts & principles of Disaster Nursing ○ Causes and Types of Disaster : Natural 	<ul style="list-style-type: none"> ○ Models, films, slides ○ Demonstration ○ Practice session ○ Case discussions/ Seminar ○ Health education ○ Supervised clinical practice ○ Disaster management Drills ○ Drug book/ presentation ○ Assessment of skills with check list ○ Assessment of patient management problem 	Blanks
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		<ul style="list-style-type: none"> and Man-made ○ Earthquakes, Floods, Epidemics, Cyclones ○ Fire, Explosion, Accidents ○ Violence, Terrorism; bio-chemical, War ○ Policies related to emergency/disaster management; International, national, state, institutional ○ Disaster preparedness: ○ Team, Guidelines, protocols, Equipments, Resources ○ Coordination and involvement of; Community, various govt. departments, non-govt. organizations & 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 ○ Emergency Nursing ○ Concept, priorities, principles & scope of emergency nursing ○ Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of ○ triage & role of triage nurse ○ Coordination & involvement of different departments & facilities ○ Nursing Assessment- History and Physical assessment ○ Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of patient with medical & surgical Emergency ○ Principles of emergency management ○ Common Emergencies; ○ Respiratory Emergencies ○ Cardiac Emergencies ○ Shock & Hemorrhage ○ Pain ○ Poly-Trauma, road accidents, crush injuries, wound ○ Bites ○ Poisoning; Food, Gas, Drugs & chemical poisoning ○ Seizures ○ Thermal Emergencies ○ Heat stroke & Cold injuries ○ Pediatric Emergencies ○ Psychiatric Emergencies ○ Obstetrical Emergencies ○ Violence, Abuse, Sexual assault ○ Cardio Pulmonary Resuscitation ○ Crisis Intervention 		
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		<ul style="list-style-type: none"> ○ Role of the nurse; Communication & Inter personal Relations ○ Medico-Legal Aspects; 		
VIII	10	<p>Nursing care of the elderly</p> <ul style="list-style-type: none"> ● Nursing Assessment – History & Physicalassessment ● Ageing; ● Demography; Myths and realities ● Concepts & theories ofageing ● Cognitive Aspects ofAgeing ● Normal biologicalageing ● Age related body systemschanges ● Psychosocial Aspects ofAgeing ● Medications andelderly ● Stress & coping in olderadults ● Common Health Problems & NursingManagement; ● Cardiovascular, Respiratory,Musculoskeletal, ● Endocrine, genitor-urinary,gastrointestinal ● Neurological, Skin and other Sensoryorgans <ul style="list-style-type: none"> ● Psychosocial andSexual ● Abuse ofelderly ● Role of nurse for care of elderly: ambulation,nutritional, communicational, psychosocial &spiritual ● Role of nurse for caregivers ofelderly ● Role of family and formal and non formalcaregivers ● Use of aids & prosthesis (hearing aids,dentures, ● Legal & EthicalIssues ● Provisions & Programmes for elderly;privileges, Community Programs and healthservices; ● Home & institutionalcare 	<ul style="list-style-type: none"> ● LectureDiscussio n ● Explain using Charts,graphs ● Models, films,slides ● Demonstration ● Practicessession ● Case discussions/Seminar ● Healtheducation ● Supervised clinicalpractice ● Drug book/presentati on ● Visit to old agehome ● Assessment of skills with checklist Assessment of patient managementprobl em 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
IX	10	<p>Nursing management of patient in critical care units</p> <ul style="list-style-type: none"> ● Nursing Assessment –History & Physicalassessment ● Classification ● Principles of critical carenursing ● Organization; Physical setup, Policies, staffingnorms, ● Protocols, equipment andsupplies ● Special equipments; ventilators, cardiac monitors, defibrillators, 	<ul style="list-style-type: none"> ● LectureDiscussi on ● Explain using Charts,graphs ● Models, films,slides ● Demonstration ● Roleplays ● Counseling ● Practicessession ● Case 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> • Resuscitation equipments • Infection Control Protocols • Nursing management of critically ill patient; • Monitoring of critically ill patient • CPR-Advance Cardiac Life support • Treatments & procedures • Transitional care • Ethical & Legal Aspects • Communication with patient and family • Intensive care records • Crisis Intervention • Death & Dying-coping with • Drugs used in critical care unit 	<ul style="list-style-type: none"> • discussions/Seminar • Health education • Supervised clinical practice • Drug book/presentation • Assessment of skills with checklist • Assessment of patient management problem 	
X	9	<p>Nursing management of patients adults including elderly with Occupational and Industrial disorders</p> <ul style="list-style-type: none"> • Nursing Assessment –History & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of occupational and industrial health disorders • Role of nurse <p>Special Therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational & Industrial disorders</p>		<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Bruno Peulenic, Patrick Maxial, Medical Surgical Nursing- Pathophysiological Concept, J.B .Linnincott Co. Philadelnhia.
2. Sorensen & Luckmann, Basic Nursing A Psycho-Physiological Approach, John Wright publishing Co.
3. Perry, Ann G. and Patricia A. Potter, Clinical Nursing Skills and Techniques, The C.V Mosby Co., 1990, St Louis.
4. Mary Powell, Orthopaedic Nursing, ELBS, 1976.
5. Sathoskar R. S., Pharmacology and Pharmacotherapeutics, Bombay Popular Prakashan, Bombay.Shackeltion, Alberta, Dent et al., Practical Nurse Nutrition Education, W. B Saunders Co., Philadelphia.

Latest editions of all the suggested books are recommended

Year	III Year
Subject	Child Health Nursing
THEORY	PRACTICAL
90	270

Course Description

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

Course Outcome

- ⇒ Analyze the concept ,principles, roles and functions of the pediatric nurse in caring for a hospitalized child.
- ⇒ Describe the Normal growth & development, general and nutritional needs of children at different ages.
- ⇒ Analyzing and interpret the various recent technologies, preventive measure and treatment modalities in the management of high risk and common childhood diseases.
- ⇒ Understand the management of child with behavioral & social problems.
- ⇒ Identify the social & welfare services for challenged children.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
		Introduction Modern concepts of childcare <ul style="list-style-type: none"> • Internationally accepted rights of theChild • National policy & legislations in relationto child health andwelfare • National programmes related to child health and welfare • Agencies related to welfare 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration of common pediatric procedures • Assessment of skills 	* Essaytype * Objective type * Fill in the Blanks

I	15	<p>services to the children</p> <ul style="list-style-type: none"> • Changing trends in hospital care, preventive, promotive & curative aspects of childhealth • Child morbidity and mortality rates • Differences between an adult and child • Hospital environment for a sick child • Impact of hospitalization on the child and family • Grief and bereavement • The role of a Child health nurse in caring for a hospitalized child • Principles of pre and post operative care of infants and children • Child health nursing procedures 	with checklist	
II	20	<p>The healthy child</p> <ul style="list-style-type: none"> • Principles of growth and development • Factors affecting growth & development • Growth and development from birth to adolescence • The needs of normal children through the stages of developmental and parental guidance • Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary/artificial feeding and weaning, • Baby friendly hospital concept • Accidents: causes and prevention • Value of play and selection of play material • Preventive immunization, immunization programme and cold chain • Preventive pediatrics • Care of under five & under five clinics/well baby clinics 	<ul style="list-style-type: none"> • Lecture Discussion • Developmental study of infant and children • Observation on study of normal and sick child • Field visit to Anganwadi, child guidance clinic • Film show on breast feeding Clinical practice /field Assessment of field visits and developmental study reports 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>Nursing care of a neonate</p> <ul style="list-style-type: none"> • Nursing care of a normal newborn/Essential 	<p>Teaching Learning Activities</p> <ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> * Essay type * Objective type

III	15	<p>newborn care</p> <ul style="list-style-type: none"> • Neonatal resuscitation • Nursing management of a low birth weight baby • Kangaroo mother care • Nursing management of common neonatal disorders • Organization of neonatal unit • Identification & nursing management of common congenital malformations • 	<ul style="list-style-type: none"> • Workshop on neonatal resuscitation • Demonstration • Practisesession • Clinical practice <p>Assessment of skills with checklist</p>	* Fill in the Blanks
IV	5	<p>Integrated management of neonatal and childhood illnesses (IMNCI)</p> <p>Organization of PICU</p>		<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>
V	25	<p>Nursing management in common childhood diseases</p> <ul style="list-style-type: none"> • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders • Cardiovascular problem: congenital defects and rheumatic fever, rheumatic heart disease • Genitor-urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, • Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spinabifida • Hematological disorders : Anemia, thalassemia, ITP, Leukemia, hemophilia • Endocrine disorders: Juvenile Diabetes Mellitus • Orthopedic disorders : club feet, hip dislocation and fracture • Disorders of skin, eye, & ears • Common communicable diseases in children, their identification, nursing management in hospital and home and prevention • Child health emergencies: poisoning, foreign bodies, hemorrhage, burns & drowning • Endocrine System: Dwarfism, Gigantism, Acromegaly, Diabetes Insipidus, 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practisesession <p>Clinical practice</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>

		<p>Cretinism, Goiter, Hypo & Hyper Thyroidism, Addison's disease, Cushingsyndrome.</p> <ul style="list-style-type: none"> • Nursing care of infant and children withHIV/AIDS 		
VI	10	<p>Management of behavioral & social problems in children</p> <ul style="list-style-type: none"> • Management of common behavioral 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 Assessment of field visits and study reports 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Alexander N M ,Brown M.S., *Paediatric Physical Diagnosis for Nurses*, McGrew Hill Book Co.,New York.
2. Ball, *Paediatric Nursing Caring for Children*, 1999, Prenticehall.
3. Behrman, Richard K & Vaughan, Nelson,s, *TextBook of Paediatrics*, WB Saunders Co.,
4. Blake G, Florence & Wright, *Essentials of Paediatric Nursing*,
5. Barbara EW, *Guidelines in the Care of the Low Birth Weight*, Orient Longman
6. Bowden Greenberg, *Paediatric Nursing Procedure*, Lippincott, Williams& Wilkins
7. Cameron, Jelinek et al, *Text Book of Emergency Paediatric Medicine*,
8. Ghai O.P., *Essential Text Book Of Paediatrics*, Jaypee Brothers
9. Ghosh Shanti, *Nutrition and Child Care*, Jaypee Brothers, New Delhi.
10. Ghosh Shanti, *Know Your Child*, Jaypee Brothers, New Delhi.

Latest editions of all the suggested books are recommended.

Year	III Year
Subject	Mental Health Nursing
THEORY	PRACTICAL
90	270

Course Description

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

Course Outcome

- ⇒ Understanding the concepts of psychopathology and mental disorders
- ⇒ Applying concepts, principles and theories of mental health nursing in clinical and community settings.
- ⇒ Demonstrating the skills of mental status assessments, therapeutic communications and modalities as a psychiatric nurse.
- ⇒ Analyzing the mental health needs and scope of development in providing comprehensive care in mental health sector.
- ⇒ Evaluating professional competency in providing holistic mental health nursing care

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
		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 	<ul style="list-style-type: none"> • Lecture discussion Assessment of field visits reports	* Essay type * Objective type * Fill in the Blanks

I	5	<p>mental health problems and disorders</p> <ul style="list-style-type: none"> • Mental Health Act • National Mental health policy v/s 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 		
II	5	<p>Principles and Concepts of Mental Health Nursing</p> <ul style="list-style-type: none"> • Definition: mental health nursing and terminology used • Classification of mental disorders : ICD • Review of personality development, defense mechanisms • Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s) • Etiology: bio-psycho-social factors • Psychopathology of mental disorders: review of structure & function of brain, limbic system and abnormal neurotransmission • Principles of Mental health Nursing • Conceptual models and the role of nurse: <ul style="list-style-type: none"> • Existential Model • Psycho-analytical models • Behavioural model • Interpersonal model 	<ul style="list-style-type: none"> • Teaching Learning Activities • Lecture discussion • Explain using charts • Review of personality development 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
III	8	<p>Assessment of mental health status</p> <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination • Neurological examination : review • Investigations : Related Blood chemistry, EEG, CT & MRI • Psychological tests Role and responsibilities of nurse <p>Documentation</p>	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Clinical practice Assessment of skills with checklist 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
IV	6	<p>Therapeutic communication and nurse-patient relationship</p>	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> * Essay type * Objective

		<ul style="list-style-type: none"> • Therapeutic communication: types, techniques, characteristics • Types of relationship, • Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR- Johari Window • Goals, phases, tasks, therapeutic techniques • Therapeutic impasse and its intervention 	<ul style="list-style-type: none"> • Demonstration • Role play <p>Process recording</p>	<p>type</p> <p>* Fill in the Blanks</p>
V	14	<p>Treatment modalities and therapies used in mental disorders</p> <ul style="list-style-type: none"> • PsychoPharmacology • Psychological therapies: Therapeutic community, psychotherapy-individual: psycho-analytical, cognitive & supportive, Family, Group, behavioral. Play, Psycho-drama, Music, Dance, Recreational & 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 • Techniques of Counseling 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Groupwork • Practice session <p>Clinical practice</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>
VI	5	<p>Nursing management of patient with Schizophrenia, and other psychotic disorders</p> <ul style="list-style-type: none"> • Classification: ICD • Etiology, psycho-pathology, types, clinical manifestations, diagnosis • Nursing Assessment - History, Physical & mental assessment • Treatment modalities and nursing management of patients with Schizophrenia & other psychotic disorders • Geriatric considerations • Follow up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture • discussion • Case discussion • Case presentation • Clinical practice • Assessment of patient management problems 	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>
		<p>Nursing management of patient with mood disorders</p>	<p>* Lecture discussion</p> <p>* Case discussion</p>	<p>* Essay type</p> <p>* Objective</p>

VII	5	<ul style="list-style-type: none"> • Mood disorders: Bipolar affective disorder, Mania depression & 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"> * Case presentation * Clinical practice * Assessment of patient management problems 	<ul style="list-style-type: none"> type * Fill in the Blanks
VIII	8	<p>Nursing management of patient with neurotic, stress related and somatization disorders</p> <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 & 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 Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
IX	5	<p>Nursing management of patient with substance use disorders</p> <ul style="list-style-type: none"> • Commonly used psychotropic substance: Classification, forms, routes, action, intoxication & withdrawal • Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, • Nursing Assessment - History, Physical, mental assessment and drug assay • Treatment (detoxification, anti abuse and narcotic antagonist therapy and 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<p>harm reduction) & nursing management of patients with substance use disorders</p> <ul style="list-style-type: none"> • Geriatric considerations • Follow-up and home care and rehabilitation 		
X	4	<p>Nursing management of patient with Personality, Sexual & Eating disorders</p> <ul style="list-style-type: none"> • Classification of disorders • Etiology, psychopathology, characteristics, diagnosis, • Nursing assessment-History, Physical and mental assessment • Treatment modalities and nursing management of patients with Personality, Sexual & Eating disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice • Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XI	6	<p>Nursing management of child-hood and adolescent disorders including mental deficiency</p> <ul style="list-style-type: none"> • Classification • Etiology, psychopathology, characteristics, diagnosis, Nursing assessment-History, Physical, mental and IQ assessment • Treatment modalities and nursing management of childhood disorders including mental deficiency • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice • Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XII	5	<p>Nursing management of organic brain disorders</p> <ul style="list-style-type: none"> • Classification: ICD • Etiology, psychopathology, clinical features, diagnosis, and Differential diagnosis (Parkinson's and Alzheimer's) • Nursing assessment-History, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice • Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

XIII	6	Psychiatric emergencies and crisis intervention <ul style="list-style-type: none"> • Types of psychiatric emergencies and their management • Stress adaptation Model: stress and stressor, coping, resources and mechanism • Grief: theories of grieving process, principles, techniques of counseling • Types of crisis • Crisis Intervention: Principles, Techniques and Process • Geriatric considerations • Role and responsibilities of nurse 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session Clinical practice 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XIV	4	Legal issued in Mental Health Nursing <ul style="list-style-type: none"> • The Mental Health Act 1987: Act, sections, Articles & their implication 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"> * Essay type * Objective type * Fill in the Blanks
XV	4	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 • Assessment of field reports 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Brown R. T. Feldman G. R., *Epilepsy -Diagnosis and Management*, Little Brown And Co., Toronto.
2. Beck M. C. Rawtins P. R. & et al, *Mental Health–Psychiatric Nursing*. The C.V. Mosby Co., Ltd. Toronto.
3. Coleman C. J, *Abnormal Psychology and Modern Life*. P. B. Tara and Sons Co. Pvt Ltd
4. Kaplan H. Saddock B, *Synopsis of Psychiatry*, William sand Wilkins, Bathmov.
5. Stuart W. G. Sundeen J. S, *Principles and Practice of Psychiatric Nursing*, Mosby Year Book, London.
6. Taylor C.M., *Essentials of Psychiatric Nursing*, CV Mosby Co., London.
7. Bimlakapoor CV, *A Text Book of Psychiatric Nursing*, Mosby Co., Delhi.
8. Shivas, *Basic Concept of Psychiatric Mental Health Nursing*, B.I Publications.

Latest editions of all the suggested books are recommended.

Year	III Year
Subject	Nursing Research and Statistics
THEORY	PRACTICAL
45	Project

Course Description

This course is designed to enable students to develop and understanding of basicconcepts 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 Individuals /group research project

Course Outcome

- ⇒ Understanding the concepts of terminology, nursing research process and steps of Scientific methods.
- ⇒ Applying the concepts in identifying the nursing research problems and carrying out the nursing research.

- ⇒ Demonstrating the steps of review of literature, research methodology and data collection.
- ⇒ Analyzing the health needs and problems in nursing profession, hospital or community.
- ⇒ Evaluating the principles applied in research process for assigning research project to students.
- ⇒ Creating evidence based practice by utilization of nursing research

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	6	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 * Ethics in research, Evidenced based practice 	<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"> * Essay type * Objective type * Fill in the Blanks
II	2	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"> * Essay type * Objective type * Fill in the Blanks
III	2	Review of Literature <ul style="list-style-type: none"> * Location * Sources * Online 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"> * Essay type * Objective type * Fill in the Blanks
IV	4	Research approaches and designs <ul style="list-style-type: none"> * Historical, survey and experimental * Qualitative and quantitative design 	<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"> * Essay type * Objective type * Fill in the Blanks

V	8	<p>Sampling and Data Collection</p> <ul style="list-style-type: none"> * Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques * Data – why, what, from, whom, when , where to collect * Data collection methods and instruments: <ul style="list-style-type: none"> o Methods of data collection o Questioning, interviewing o Observations, record analysis and measurements o Types of instruments o Validity and reliability of the instrument o Pilot study o Data collection procedure 	<ul style="list-style-type: none"> * Lecture discussion * Reading assignment on examples of data collection tools * Preparation of sample data collection tools Conduct group research project 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VI	4	<p>Analysis of data:</p> <ul style="list-style-type: none"> * Compilation, Tabulation, classification, summarization, presentation, interpretation of data <p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture discussion * Preparation of sample tables 		<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VII	15	<p>Introduction to statistics</p> <ul style="list-style-type: none"> * Definition, use of statistics, scales of measurement * Frequency distribution and graphical presentation of India * Mean, Median, Mode, Standard deviation * Normal probability and tests of significance. * Co-efficient of correlation * Statistical packages and its application 	<ul style="list-style-type: none"> * Lecture discussion * Practice on graphical presentation Practice on computation of measures of central tendency, variability and correlation 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VIII	4	<p>Communication and Utilization of Research</p> <ul style="list-style-type: none"> * Communication of Research findings <ul style="list-style-type: none"> o Verbal report o Writing research report o Writing scientific article/paper - 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"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Basavanthappa, B.T, *Nursing Research*, Jaypee Brothers, 2003, New Delhi.
2. Mahajan, B.K, *Methods in Biostatistics*, Jaypee Brothers, 1999, New Delhi.
3. Rose Hott & Budin. Notter's, *Essentials of Nursing Research*, Springer Publisher, 1999, New York.
4. Patricial Nunhall. *Nursing Research*, James & Bar, 2001, Canada.

5. Caroly M.H, *Research Methods for Clinical Therapists Applied Project Design and Analysis*, 1999, Churchill Livingstone.
6. Indrani P.K., T.K, *Research Methods for Nurses*. Jayppe Brothers, 2005 New Delhi.

Latest editions of all the suggested books are recommended.

GUIDELINES FOR RESEARCH PROJECT ON NURSING

Objectives: During the training the students is expected to learn about research problem, research methodology, statistical methods, research plan and implementation. The knowledge will be utilized for improving the quality of nursing practice and education.

Guidelines:

1. During the clinical training a student is supposed to write a research project work related to the profession of nursing, based on his/her interest.
2. Project work would be under the supervision of internal faculty located for the project guiding appointed by the Principal/Director of college of nursing.
3. The research project would be completed and submitted before the completion of fourth year of the course (i.e. teaching work).
4. Before the submission of project the student will be require to make a presentation before the research committee through power point presentation.
5. The assessment of performance of student will be totally internal and the research committee will assess the student on the basis of his performance.
6. There would be mid-term review of the progress of the project before three members of the research committee appointed by the Principal/Director of college of nursing.
7. The research project work should cover the following area.
 - ⇒ Review of literature on the selected topic and reporting
 - ⇒ Formulation of problem statement, objective and hypotheses
 - ⇒ Development of theoretical/conceptual framework.
 - ⇒ Research methodology conducted during the training period
 - ⇒ Analysis and interpretation
 - ⇒ Summary and Conclusion

Year	III Year
Subject	Environmental Sciences
THEORY	PRACTICAL
25	-

Course Outcome

- ⇒ Understanding the scope and importance of environmental studies and the need of public awareness.
- ⇒ Applying the role of information technology in environment and human health.
- ⇒ Demonstrating biomedical waste management and hence controlling prevention of pollution.
- ⇒ Analyzing the conservation of biodiversity and to consider the threats to biodiversity.
- ⇒ Evaluating the issues involved in enforcement of environment and to find out the possible solutions.
- ⇒ Creating the awareness about the importance of protection and conservation of earth to promote environmental health.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	2	Multidisciplinary nature of environmental studies <ul style="list-style-type: none"> • Definition, Scope & importance • Need for public awareness 	* Lecture discussion * Demonstration * Practice session * Supervised field practice * Participation in camps Group Project	* Essay type * Objective type * Fill in the Blanks
II	5	NATURAL RESOURCES	* Lecture discussion * Demonstration	* Essay type * Objective

		<p>Renewable & non-renewable resources:</p> <p>Natural resources & associated problems</p> <p>a) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.</p> <p>b) Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.</p> <p>c) Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources, case studies.</p> <p>d) Land resources: Land as a resource, land degradation, man included landslides, soil erosion and desertification.</p> <ul style="list-style-type: none"> • Role of an individual in conservation of natural resources. • Equitable use of resources for sustainable lifestyles 	<ul style="list-style-type: none"> * Practicessession * Supervised fieldpractice * Participation incamps GroupProject 	<p>type</p> <ul style="list-style-type: none"> * Fill in the Blanks
III	4	<p>ECOSYSTEM</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 :- • Forest ecosystem • Grassland ecosystem • Desert ecosystem • Aquatic ecosystem (ponds, streams, lakes, rivers, oceans, estuaries) 	<ul style="list-style-type: none"> * Lecturediscussion * Demonstration * Practicessession * Supervised fieldpractice * Participation incamps GroupProject 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

IV	5	<p>BIODIVERSITY AND ITS CONSERVATION</p> <ul style="list-style-type: none"> • Introduction – Definition: genetic, species and ecosystem diversity. • Bio geographical 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 * Demonstration * Practisesession * Supervised fieldpractice * Participation incamps GroupProject 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
V	2	<p>DISASTER MANAGEMENT AND ENVIRONMENTAL POLLUTION</p> <p>Definition , Cause, effects and control measures of :-</p> <ol style="list-style-type: none"> a. Thermal pollution b. Nuclear pollution c. Disaster management: Floods, Earthquake, cyclones and landslides. d. Resettlement and rehabilitation of people, its problems and concerns. Case studies. 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practisesession * Supervised fieldpractice * Participation incamps GroupProject 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
VI	3	<p>SOCIAL ISSUES AND THE ENVIRONMENT</p> <ul style="list-style-type: none"> • From unsustainable to sustainable development • Urban problem related to energy 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practisesession * Supervised fieldpractice * Participation incamps 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> • 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. 	GroupProject	
VII	02	HUMAN POPULATION AND THE ENVIRONMENT <ul style="list-style-type: none"> • Population growth, variation among nations. • Women and Child Welfare. • Role of information technology in environment • Case studies. 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practisesession * Supervised fieldpractice * Participation incamps GroupProject 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks
VIII	2	FIELD WORK <ul style="list-style-type: none"> • Visit to a local area to document environmental assets- rivers/forests/hills/mountains. • Visit to a local polluted site- Urban/Rural/Industrial/Agricultural. • Study of common plants, insects, birds. • Study of simple ecosystems- ponds, rivers, hills, slopes, etc. 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practisesession * Supervised fieldpractice * Participation incamps GroupProject 	<ul style="list-style-type: none"> * Essaytype * Objective type * Fill in the Blanks

REFERENCE

{(M) Magazine, (R) Reference, (TB) Textbook}

- Agarwal, K.C.2001 Environmental Biology, Nidi Publ.Ltd. Bikaner
- Bharucha Erach, The BIODIVERSITY OF India, Mapin Publishing Pvt . Ltd, Ahmedabad- 380 013, India, Email:mapin@icenet.net(R)
- Brunner R.C.,1989, Hazardous Waste Incineration, McGraw Hill Inc 480p
- Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)

- e) Cunningham, W.P.Cooper, T.H.Gorhani, E & Hepworth, M.T.2001, Environmental Encyclopedia, Jaico Publ. House, Mumbai, 1196p
- f) De A.K., Environmental Chemistry, Wiley Eastern Ltd.
- g) Down to earth, Centre for Science and Environment(R)
- h) Gliock. H.P. 1993 Water in crisis, Pacific Institute for Studies in Dev, Environment & Security. Stockholm Env. Institute Oxford Univ . Press.473p
- i) Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History , Bombay Natural History Society , Bombay (R)
- j) Heywood. V.H & Watson, R.T. 1995. Global Biodiversity Assessment Cambridge Univ.Press 1140p.
- k) Jadhav, 11 & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalya Pub.House, Delhi 284 p.
- l) Mckinney, M.L. & School, R.M. 1996. Environmental Science system & Solutions, Web enhanced edition 639p.
- m) Mhaskar A.K., MATTER Hazaedous , Techno-Science Publication (TB)
- n) Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)
- o) Odum,E.P. 1971 . Fundamentals of Ecology , W.B. Saunders Co. U.S.A., 574p
- p) Rao M.N. & Datta, A.K. 1987 Waste treatment Oxford & IBH Publ.Co.Pvt.Ltd. 345p.
- q) Sharma b.k., 2001. Environmental Chemistry. Goel Publ.House, Meerut.
- r) Survey of the Environment, The Hindu (M)

Townsend C.,Harper j, and Micheal Begon, Essentials of Ecology, Blackwell Science (TB)

Year	III Year
Subject	Medical Surgical Nursing-II Practical
THEORY	PRACTICAL
-	270

Course Content

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
ENT	1	<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 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan-1 Observation reports of OPD Maintain drugbook 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating

		<ul style="list-style-type: none"> irrigations • Apply earbandage • Perform tracheostomy care • Teach patients & families 		<ul style="list-style-type: none"> scale • Evaluation of observation report of OPD • Completion of activity record
Ophthalmology	1	<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 & 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 drugbook 	<ul style="list-style-type: none"> • Assess each skill with checklist • Assess performance with rating scale • Evaluation of observation report of OPD /Eye bank • Completion of activity record
Neurology	2	<ul style="list-style-type: none"> • 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 drugbook • 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"> • Assist with gynecological Examination • Assist with diagnostic procedures • Assist with therapeutic 	<ul style="list-style-type: none"> • Provide care to 2-3 assigned patients • Nursing care plan-1 • Maintain drugbook 	<ul style="list-style-type: none"> Assess each skill with checklist • Assess performance

		<ul style="list-style-type: none"> procedures • Teach patients/families • Teaching self Breast Examination • Assist with PAP smear collection 		<ul style="list-style-type: none"> • Performance with rating scale • Evaluation of care plan • Completion of activity record
Burns Unit	1	<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 Assess <ul style="list-style-type: none"> ○ Calculate ○ Replace ○ Record intake/output • Care of Burn wounds <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 	<ul style="list-style-type: none"> • Provide care to 1-2 assigned patients • Nursing care plan-1 • Observation reports 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 activity record
Casualty/Emergency	1	<ul style="list-style-type: none"> • Practice "triage" • Assist with assessment, examination, investigations & their interpretations, in emergency & disaster situations • Assist in documentations • Assist in legal procedures in emergency unit • Participate in managing crowd • Counsel patient & 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
Oncological Unit	1	<ul style="list-style-type: none"> • Screen for common cancers - TNM classification • Assist with diagnostic procedures <ul style="list-style-type: none"> ○ Biopsies ○ Papsmear ○ Bone-marrow aspiration • Breast examination 	<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

		<ul style="list-style-type: none"> • Assist with therapeutic procedures • Participates in various modalities of treatment o Chemotherapy <ul style="list-style-type: none"> ○ Radiotherapy ○ Pain management ○ Stomatherapy ○ Hormonal therapy ○ Immunotherapy ○ Gene therapy ○ Alternative therapy • Participating palliative care • Counsel and teach patients families <ul style="list-style-type: none"> ○ Self Breast Examination ○ Warning signs • Participate in rehabilitation program 		<p>scale Evaluatio n of care plan and observati on report</p> <ul style="list-style-type: none"> • Completion of activity record
Critical care unit	2	<ul style="list-style-type: none"> • Monitoring of patients in ICU • Maintain flowsheet • 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 CV line • Pulse oximetry • CPR – ALS • Defibrillators • Pacemakers • Bag-mask ventilation • Emergency tray/trolley- Crash Cart • Administration of drugs <ul style="list-style-type: none"> ○ Infusion pump ○ Epidural ○ Intrathecal ○ Intracardiac • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercises • Counsel the patient and family in dealing with grieving and bereavement 	<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

Placement: Clinical Training

Time: 9weeks

Areas	Duration (in week)	Skills	Assessment
Medical ward	2	Integrated Practice	Assess clinical performance with rating scale
Surgical ward	2		
	1		
Critical care unit /ICCU Casualty/Emergency	2		
Operation Theatre (Eye, ENT, Neuro)			

Year	III Year
Subject	Child Health Nursing Practical
THEORY	PRACTICAL
	270

Course Content

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
Paediatric Medicine ward	3	<ul style="list-style-type: none"> • Taking pediatric History • Physical examination and assessment of children • Administer of oral, I/M & IV medicine/fluids • Calculation of fluid requirements • Prepare different strengths of I.V. fluids • Apply restraints • Administer O₂ inhalation by different methods • Give baby bath Feed children by Katorispoon, 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 pediatric patients • Nursing Care Plan – 1 • Case study/presentations-1 • Health Talk -1 	<ul style="list-style-type: none"> • Assess clinical performance with ratingscale • Assess each skill with checklist OSCE/OSPE • Evaluation of case study/presentation & Health education session • Completion of activity record
Paediatric Surgery Ward	3	<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 	<ul style="list-style-type: none"> • Give care to three assigned pediatric surgical patients • Nursing Care Plan – 1 • Case study/presentation-1 	<ul style="list-style-type: none"> • Assess clinical performance with ratingscale • Assess

		<ul style="list-style-type: none"> ○ Gastrostomy ○ Enterostomy ● Urinarycatheterization 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 		<p>each skill with checklist OSCE/OSPE</p> <ul style="list-style-type: none"> ● Evaluation of case study/presentation ● Completion of activity record
Pediatric OPD/ Immunization room	1+1	<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
Pediatric medicine and surgery ICU	1+1	<ul style="list-style-type: none"> ● Care of a baby in incubator/warmer ● Care of a child on ventilator ● Endotracheal suction ● Chest physiotherapy ● Administer fluids with infusion pump ● Total parenteral nutrition ● Phototherapy ● Monitoring of babies ● Cardio Pulmonary resuscitation 	<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

Areas	Duration (in weeks)	Skills	Assessment Methods
Pediatric medicine ward/ICU	1	<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"> ● Integrated Practice 	<ul style="list-style-type: none"> ● Assess clinical performance with rating scale
NICU	1	<ul style="list-style-type: none"> ● Integrated Practice 	<ul style="list-style-type: none"> ● Assess clinical performance with rating scale

Year	III Year
Subject	Mental Health Nursing Practical
THEORY	PRACTICAL
-	270

Course Content

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
Psychiatric OPD	1	<ul style="list-style-type: none"> • Historytaking • Perform mental status examination (MSE) • Assist in Psychometric assessment • Perform Neurological examination • Observe and assist intherapies • Teach patients and familymembers 	<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 withchecklist • Evaluation of healtheducation • Assessment of observation report • Completion of activityrecord
Child Guidance clinic	1	<ul style="list-style-type: none"> • Historytaking • Assistin psychometric assessment • Observe and assist in various therapies • Teach family and significantothers 	<ul style="list-style-type: none"> • Casework - 1 • Observation report of different therapies - 1 	<ul style="list-style-type: none"> • Assess performance with ratingscale • Assess each skill with checklist • Evaluation of the

				observatio n report
Inpatie nt ward	6	<ul style="list-style-type: none"> • Historytaking • Perform mental status examination (MSE) • Perform Neurological examination • Assist in psychometric assessment • Record therapeutic communication • Administer medications • Assist in Electro- convulsive therapy (ECT) • Participate in all therapies • Prepare patients for Activities of Daily living(ADL) • Conduct admission and discharge counseling • Counsel and teach patient sand families 	<ul style="list-style-type: none"> • Give care to 2-3 patients with various mental disorders • Case study- 1 • Careplan-2 • Clinical Presentation- 1 • Process recording2 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performanc e with ratingscale • Assess each skill with checklist • Evaluatio n of the case study, care plan, clinical presentati on, process recording • Completio n of activity record
Communi ty Psychiatr y	1	<ul style="list-style-type: none"> • Conduct casework • 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"> • Casework - 1 • Observation report on fieldvisits 	<ul style="list-style-type: none"> • Assess performanc e with ratingscale • Evaluatio n of case work and observati on report • Completio n of activity record

Area	Duratio n	Objective	Skills	Assessment Methods
Psychiatr y ward	2 weeks	Provide comprehensive care to patients with mental health problems	<ul style="list-style-type: none"> • Integrate d Practice 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale

Year	IV Year
Subject	Midwifery and Obstetrical Nursing
THEORY	PRACTICAL
90	360

Course Description

This course is designed for students to appreciate the concept and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skill in rendering nursing care to normal and high risk pregnant women during antenatal, natal and post-natal period in hospital and community settings. It also develops skills in managing normal and high risk neonates and participates in family welfare programme

Course Outcome

- ⇒ Understanding the concepts of Midwifery & obstetrical Nursing
- ⇒ Acquiring knowledge & demonstrating skills in providing care to normal & high risk pregnant women during antenatal, intranasal & postnatal period in hospital settings.
- ⇒ Analyze the health needs of the mother & deliver an effective care at health care settings.
- ⇒ Evaluate professional efficiency in handling the high risk cases of women during antenatal, intranasal & postnatal period.
- ⇒ Evaluating the skills in use of obstetrical instruments in emergency situations.
- ⇒ Understanding the importance of Family planning methods and implementing the family welfare programs in Hospital & Community Settings.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	4	<p>Introduction to midwifery and obstetrical Nursing</p> <ul style="list-style-type: none"> • Introduction to concepts of midwifery and obstetrical Nursing • Scope of Midwifery • 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 & welfare ○ Maternal, morbidity, mortality and fertility rates ○ Perinatal, morbidity and mortality rates 	<p>Lecture discussion Explain using Charts and graphs</p>	<p>* Essay type * Objective type * Fill in the Blanks</p>
II	8	<p>Review of anatomy & physiology of female reproductive system and fetal 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 relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum • Physiology of menstrual cycle • Human sexuality • Fetal development 	<ul style="list-style-type: none"> • Lecture • discussion <p>Review with Charts and models</p>	<p>* Essay type * Objective type * Fill in the Blanks</p>

		<ul style="list-style-type: none"> ○ Conception ○ Review of fertilization, implantation (embedding of the ovum), development of the embryo & placenta at term functions, abnormalities, the fetal sac, amniotic fluid, the umbilical chord, ○ Fetal circulation, fetal skull, bones, sutures and measurements ● Review of Genetics 		
III	8	<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 ○ Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position ○ Per vaginal examination ● Screening & assessment for high risk; ● Risk approach ● History and Physical Examination ● Modalities of diagnosis; Invasive & Non-Invasive, ultrasonic, cardiotomography , NST,CST ● Antenatal preparation <ul style="list-style-type: none"> ○ Antenatal counseling ○ Antenatal exercises ○ Diet ○ Substance use 	<ul style="list-style-type: none"> ● Lecture Discussion ● Demonstration ● Case discussion/presentation ● Health talk ● Practice session ● Counseling session ● Supervised Clinical practice ● Assessment of skills with checklist ● Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> ○ 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	1 2	<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 & abnormal - Duration - Preparation of: <ul style="list-style-type: none"> ➤ Labour room ➤ Woman - Assessment & observation of women in labor ; partogram – maternal and fetal monitoring - 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 & abnormal ○ Duration ○ Conduct of delivery ; principles and techniques ○ Episiotomy (only if required) ○ Receiving the newborn <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 & abnormal 	<ul style="list-style-type: none"> ● Lecture Discussion ● Demonstration ● Case discussion/presentation ● Simulated practice ● Supervised Clinical practice ● Assessment of skills with checklist Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<ul style="list-style-type: none"> ○ Duration ○ Method of placental expulsion ○ Management; Principles and techniques ○ Examination of the placenta ○ Examination of perineum <ul style="list-style-type: none"> ● Maintaining records and reports ● Fourth Stage 		
V	4	<p>Assessment and management of women during post natal period</p> <ul style="list-style-type: none"> ● Normal puerperium; Physiology Duration ● Postnatal assessment and management <ul style="list-style-type: none"> ○ Promoting physical and emotional well-being ○ Lactation management ○ Immunization ● Family dynamics after child-birth ● Family welfare services; methods, counselling ● Follow-up ● Records and reports 	<ul style="list-style-type: none"> ● Lecture Discussion ● Demonstration ● Health talk ● Practice session ● Supervised Clinical practice ● Assessment of patient management problems <p>Assessment of skills with checklist</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VI	6	<p>Assessment and management of normal neonates</p> <ul style="list-style-type: none"> ● 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 <p>Supervised Clinical practice</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
		<p>High-risk pregnancy-assessment & management</p> <ul style="list-style-type: none"> ● Screening and assessment <ul style="list-style-type: none"> ○ Ultrasonic, cardiotomography, NST, CST, non-invasive & invasive, ○ Newer modalities of diagnosis ● High-risk approach ● Levels of care; primary, secondary & tertiary levels ● Disorders of pregnancy 	<ul style="list-style-type: none"> ● Lecture Discussion ● Demonstrate using video films, scan reports, photograph etc ● Case discussion/presentation 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

VII	10	<ul style="list-style-type: none"> ○ Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic ○ Pregnancy, vesicular mole, ○ Ante-partum hemorrhage ● Uterine abnormality and displacement ● Diseases complicating pregnancy <ul style="list-style-type: none"> ○ Medical and surgical conditions ○ Infections, RTI(STD), UTI, HIV, TORCH ○ 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 	<ul style="list-style-type: none"> ● Healthtalk ● Practice Session ● Supervised Clinical practice ● Assessment of skills with checklist Assessment of skills with checklist 	
VIII	14	<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 ○ Cervical Dystocia, EROM, Obstructed labor ○ Complications of III stage ○ Birth canal injuries, Retained Placenta, Inverted Uterus ● Obstetrical procedures and operations; <ul style="list-style-type: none"> ○ Presentation and prolapse of cord, Vasopraevia, 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, 	<ul style="list-style-type: none"> ● Lecture Discussion ● Demonstration ● Case discussion/presentation ● Practice Session ● Supervised Clinical practice ● Assessment of skills with checklist Assessment of patient management problems 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

		<p>destructive operations</p> <ul style="list-style-type: none"> • Nursing management of women undergoing Obstetrical operations & procedures 		
IX	4	<p>Abnormalities during Postnatal Periods</p> <ul style="list-style-type: none"> • Assessment and management of women with postnatal complications <ul style="list-style-type: none"> ○ Puerperal infections, breast engorgement & infections, UTI, thromboEmbolic disorders, post-partum hemorrhage, Eclampsia & subinvolution ○ Psychological complications: <ul style="list-style-type: none"> ✓ Post partum Blues ✓ Post partum Depression ✓ Post partum Psychosis 		<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
X	10	<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: • Neonatal Jaundice <ul style="list-style-type: none"> ✓ Low birth weight babies ✓ Infections ✓ Respiratory problems ✓ Hemolytic disorders ✓ Birth injuries ✓ Malformations • Monitoring of high risk neonates • Feeding of high risk neonates • Organization & management of neonatal intensive care units • Infection control in neonatal intensive care units • Maintenance of reports and records 		<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
XI	4	<p>Pharmaco-therapeutics in obstetrics</p> <ul style="list-style-type: none"> • Indication, dosage, action, contra indication & side effects of drugs • Effect of drugs on pregnancy, labour & puerperium, • Nursing responsibilities in the administration of drug in Obstetrics – Oxytocin, antihypertensive, diuretics, tocolytic agents, anticonvulsants; • Analgesics and anesthetics in obstetrics • Effects of maternal medication on fetus & neonate 	<ul style="list-style-type: none"> • Lecture discussion • Drug book Drug presentation 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

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XII	6	<p>Family Welfare Programme</p> <ul style="list-style-type: none"> • Population trends and problems in India • Concepts, aims, importance & history of family welfare programme • National Population: dynamics, policy & education • National family welfare programme; RCH, ICDS, MCH Safe motherhood • Organization & administration at national, state, district, block and village levels • Methods of contraception; spacing, temporary & permanent, Emergency contraception • Infertility and its management • Counseling for family welfare • Latest research in contraception • Maintenance of vital statistics • Role of national, international & voluntary organizations • Role of a nurse in family welfare programme • Training/Supervision/Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant-Dai) 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Assessment of skills with checklist <p>Assessment of field visits and project reports</p>	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Buckley Kathleen and Kulb Nancy W, *High Risk Maternity Nursing Manual*, Williams & Wilkin, 1993, Philadelphia.
2. Bennet V Ruth & Brown K Linda, *Myles Text Book for Midwives*, ELBS, Churchill Livingstone.
3. Calander, R & Miller A, *Obstetrics Illustrated*, Churchill & Livingstone, 1993, New York.
4. Dawn C.S, *Text Book of Obstetrics and Neonatology*, Dawn Books, Calcutta.
5. Dawn C.S, *Text Book of Gynecology and Contraception*, Dawn Books, Calcutta.
6. Dutta D.C, *Text Book of Obstetrics*, New Central Agency, Calcutta.
7. Dutta D.C, *Text Book of Gynaecology*, New Central Agency, Calcutta.
8. Daftary Shrish, *Holland and Brews Manual of Obstetrics*, B Churchill Livingstone Ltd, New Delhi.

Latest editions of all the suggested books are recommended

Year	IV Year
Subject	Community Health Nursing - II
THEORY	PRACTICAL
90	135

Course Description

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

Course Outcome

- ⇒ Understanding the concepts, theories, principles of community health Nursing and National health programmes and policy.
- ⇒ Applying the theories and principles in preventing and promoting health by family centered nursing approach in providing care to individuals, families, and community.
- ⇒ Demonstrating skills in health assessment and nursing care procedures of individuals, families and community as community nursing nurse at different levels of health care delivery system.
- ⇒ Analyzing the health needs and scope of development in providing comprehensive care in rural and urban health sector.
- ⇒ Evaluating professional competency in survey projects and evidence based nursing practice in community setting.
- ⇒ Creating leadership qualities and then illustrate the role & functions effectively as community health Nurse at different levels of health care settings and health agencies.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	4	Introduction * Definition, concept and scope of Community Health and Community HealthNursing * Historical developmentof <ul style="list-style-type: none"> ○ CommunityHealth ○ Community HealthNursing - Pre-independence - Post-independence 	* Lecture discussion	* Essaytype * Objective type * Fill in the Blanks
II	6	Health planning and policies and problems * National Health planning in India – 5 year plans * Various committees and commissions on health and familywelfare <ul style="list-style-type: none"> ○ Central council for health and familywelfare (CCH andFW) ○ National Health Policies (1983,2002) ○ National Populationpolicy ● Health problems inIndia 	* LECTUREdiscussion Paneldiscussion	* Essaytype * Objective type * Fill in the Blanks
III	15	<ul style="list-style-type: none"> ○ Slums ○ Dispensaries ○ Maternal and child health centres ○ Specialclinics ○ Hospitals ○ Corporation/Municipality/Board * Components of HealthServices <ul style="list-style-type: none"> ○ Environmental sanitation ○ HealthEducation ○ Vitalstatistics ○ MCH – Antenatal, Natal, Postnatal, MTP act, female foeticide act, child adaptationact. ○ Familywelfare] ○ National Healthprogrammes ○ School HealthServices ○ OccupationalHealth ○ Defenseservices ○ Institutionalservices * Systems of medicine and healthcare <ul style="list-style-type: none"> ○ Allopathy ○ Indian system of medicine andHomeopathy ○ Alternative health care systems like yoga, meditation, social and spiritual healingetc 	* LECTUREdiscussion * Visits to various health deliverysystems * Supervised fieldpractice Paneldiscussion	* Essaytype * Objective type * Fill in the Blanks

		* Referralsystem		
IV	24	<p>Community Health Nursing approaches, concepts and roles and responsibilities of Nursing Personnel</p> <p>* Approaches</p> <ul style="list-style-type: none"> ○ Nursing Theories and Nursingprocess ○ Epidemiologicalapproach ○ Problem solvingapproach ○ Evidence basedapproach ○ Empowering people to care forthemselves <p>* Concepts of Primary HealthCare:</p> <ul style="list-style-type: none"> ○ Equitabledistribution ○ Communityparticipation ○ Focus onprevention ○ Use of appropriatetechnology ○ Multi-sectoralapproach <p>* Roles and responsibilities of CommunityHealth Nursing personnelin</p> <ul style="list-style-type: none"> ○ Family Healthservices ○ Information education communication(IEC) ○ Management information system(MIS): Maintenance of records and reports ○ Training and supervision of various categories of healthworkers ○ National Healthprogrammes ○ Environmentalsanitation ○ Maternal and child health and familywelfare ○ Treatment of minor ailments ○ School Healthservices ○ OccupationalHealth ○ Organization of clinics, camps: types, preparation, planning, conduct andevaluation ○ Waste management in the centre, clinicsetc. <p>* Home visit: concept, principles, processtechniques: bag technique homevisit</p> <p>* Quantities of community healthnurse</p> <p>* Job description of community HealthNursing personnel</p> <p>* Telemedicine</p>	<p>* Lecturediscussion</p> <p>* Demonstration</p> <p>* Practicession</p> <p>* Supervised fieldpractice</p> <p>* Participation incamps GroupProject</p>	<p>* Essaytype</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>
		<p>Assisting individuals and groups to promote and maintain their health</p> <p>* Empowerment for self care of individuals, families and groups in –</p>	<p>* Lecturediscussion</p> <p>* Demonstration</p> <p>* Practicession</p> <p>* Supervised</p>	<p>* Essaytype</p> <p>* Objective type</p> <p>* Fill in the</p>

V	15	<p>A. Assessment of self and family</p> <ul style="list-style-type: none"> o Monitoring growth and development - Milestones - Weight measurement - Social development o Temperature and Blood pressure monitoring o Menstrual cycle o Breast self examination and testicles o Warning Signs of various diseases o Tests: Urine for sugar and albumin, blood sugar <p>B. Seek health services for</p> <ul style="list-style-type: none"> o Routine checkup o Immunization o Counseling o Diagnosis o Treatment o Followup <p>C. Maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p> <p>E. Carry out therapeutic procedures as prescribed / required for self and family</p> <p>F. Waste Management</p> <p>* Collection and disposal of waste at home and community</p> <p>G. Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> * Women Empowerment * Women and child abuse * Abuse of elders * Female Foeticide * Commercial sex workers * Food adulteration * Substance abuse <p>H. Utilize community resources for self and family</p> <ul style="list-style-type: none"> o Trauma services o Old age homes o Orphanage o Homes for physically and mentally challenged individuals 	<p>field practice Individual / group/family/ community health education</p>	Blanks
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		○ Homes for destitute		
VI	18	<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 Filariasis control programme 5) National Guinea worm eradication programme 6) National Leprosy eradication programme 7) National AIDS control programme 8) STD control programme 9) National programme for control of blindness 10) Iodine deficiency disorder programme 11) Expanded programme on immunization 12) National Family Welfare Programme - RCH Programme <p>historical development, organization, administration, research, constraints</p> <ol style="list-style-type: none"> 13) National water supply and sanitation programme 14) Minimum Need programme 15) National Diabetics control programme 16) Polio Eradication: Pulse Polio Programme 17) National Cancer Control Programme 18) Yaws Eradication Programme 19) National Nutritional Anemia Prophylaxis programme 20) 20 point programme 21) ICDS programme 22) Mid-day meal applied nutritional programme 23) National mental health programme <p>* Health Schemes</p> <ul style="list-style-type: none"> ○ ESI ○ CGHS ○ Health insurance 	<p>* Lecture discussion</p> <p>* Participation in National Health Programmes</p> <p>Field visits</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>
VII	5	<p>* Health Agencies</p> <p>International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.</p> <p>National – Indian Red Cross, Indian council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kush Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.</p>	<p>* Lecture discussion</p> <p>Field Visits</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>

VIII	3	Disaster Management	* Lecture discussion Field Visits	* Essay type * Objective type * Fill in the Blanks
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Reference Books

1. Clark, June & Jill Handerson, Community Health, Churchill Livingstone, 1993, New York.
2. Freeman B. Ruth, Public Health Practices, W. W. Saunders CO., 1990, Philadelphia.
3. Fromer Joan Margot, Community Health Care and the Nursing Process, C.V Mosby CO., Toronto.
4. Park J. E, Text Book of Preventive and Social Medicine, Ms Banarsidas Bhanot CO., Jabalpur.
5. Rao S. Kasthi, An Introduction to Community Health Nursing, B. I. Publishers, Madras.
6. Stan hope & Lancaster Janette, Community Health Process and Practice for Promoting Health, C.V Mosby & CO. London.
7. Werner David, Where There is no Doctor: A Village Heath Care Hand Book, The Herperian Foundation, California.

Latest editions of all the suggested books are recommended.

Year	IV Year
Subject	Management of Nursing Services and Education
THEORY	PRACTICAL
60+30	-

Course Description

This course is designed to enable students to acquire understanding of management of clinical and community health nursing services nursing educational program responsibilities, proposed and contribution to the growth of the Profession

Course Outcome

- ⇒ Understanding the aims, concepts, principles, philosophies and trends in management of nursing services and education.

- ⇒ Applying the principles of administration and management in nursing services and education.
- ⇒ Demonstrating leadership in nursing at various levels of health care and education services.
- ⇒ Analyzing the legal and ethical issues in nursing management and services.
- ⇒ Evaluating the various collaborative models in nursing education and nursing services to improve the quality of nursing care.
- ⇒ Creating new methods to conduct staff development and welfare services.

Course Content

Unit	Time (Hrs)	Content and Teaching Learning Activities	Teaching Learning Activities	Assessment Methods
I	4	Introduction to management in nursing * Definition, concepts and theories * Functions of management * Principles of Management * Role of Nurse as a manager	* Lecture Discussion Explain using organization chart	* Essay type * Objective type * Fill in the Blanks
II	10	Management Process * Planning; mission, philosophy, objectives, operational plan * Staffing: Philosophy, staffing study, norms, activities, patient, classification systems, scheduling * Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc * Budgeting: concept, principles, types, cost benefit analysis, audit * Material management: equipment and supplies * Directing process (Leading) * Controlling: Quality management * program Evaluation Review Technique (PERT) , Bench marking, Activity Plan (Gantt Chart),	* Lecture Discussion * Simulated Exercises Casestudies	* Essay type * Objective type * Fill in the Blanks
III	13 20	Management of nursing services in the hospital and Community * Planning: <ul style="list-style-type: none"> ○ Hospital and patient care units including ward management ○ Emergency and disaster management * Human resource management: <ul style="list-style-type: none"> ○ Recruiting, selecting, 	* Lecture Discussion * Demonstration * Simulated Exercises * Casestudies * Supervised	* Essay type * Objective type * Fill in the Blanks

		<p>deployment, retaining, promoting, superannuation etc.</p> <ul style="list-style-type: none"> ○ Categories of nursing personnel including job description of all levels ○ Patient /population classifications systems ○ Patients/population assignment and Nursing care responsibilities ○ Staff development and welfare <p>* Budgeting: proposal, projecting requirements for staff, equipments and supplies for</p> <ul style="list-style-type: none"> ○ Hospital and patient care units ○ Emergency and disaster management <p>* Material Management; procurement, inventory control, auditing and maintenance in</p> <ul style="list-style-type: none"> ○ Hospital and patient care units ○ Emergency and disaster management <p>* Directing and leading: delegation, participatory management</p> <ul style="list-style-type: none"> ○ Assignments, rotations, delegations ○ Supervision & guidance ○ Implement standards, policies, procedures and practices ○ Staff development and welfare ○ Maintenance of discipline <p>* Controlling /Evaluation:</p> <ul style="list-style-type: none"> ○ Nursing Rounds/visits, Nursing protocols, Manuals ○ Quality Assurance Model, documentation- ○ Records and report ○ Performance appraisal 	<p>practice in ward-writing indents, preparing duty roaster, wards supervision</p> <p>* Assignment on duties and responsibilities of ward sister</p> <p>* Writing report</p> <p>* Assessment of the assignments Performance evaluation by ward sister with rating scale</p>	
IV	5	<p>Organizational behaviour and human relations</p> <p>* Concepts and theories of organizational behaviours</p> <p>* Review of Channels of communication</p> <p>* Leadership styles</p> <p>* Review of Motivation; concepts and theories</p> <p>* Group dynamics</p> <p>* Techniques of;</p> <ul style="list-style-type: none"> ○ Communication; and ○ Interpersonal relationships ○ Human relations; <p>* Public relations in context of nursing</p> <p>* Relations with professional associations and employee unions and Collective bargaining</p>	<p>* Lecture Discussion</p> <p>* Role plays</p> <p>* Group games</p> <p>* Self assessment</p> <p>* Case discussion</p> <p>* Practice Session</p> <p>Assessment of problems solving</p>	<p>* Essay type</p> <p>* Objective type</p> <p>* Fill in the Blanks</p>

V	5 5	<p>In Service education</p> <ul style="list-style-type: none"> * Nature & scope of in -service education program, * Organization of in-service education * Principles of adult learning, * Planning for in-service education program, techniques, methods and evaluation of staff education program. * Preparation of report 	<ul style="list-style-type: none"> * Lecture Discussion * Plan and conduct an educational session for in service nursing personnel Assess the planning & conduct of the educational session 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VI	10 5	<p>Management of nursing educational institutions</p> <ul style="list-style-type: none"> * Establishment of Nursing educational institution-INC norms and guidelines * Co-ordination with- <ul style="list-style-type: none"> ○ Regulatory bodies ○ Accreditation ○ Affiliation - Philosophy/objectives - Organization ○ Structure ○ Committees - Physical facilities ○ College/School ○ Hostel - Students <ul style="list-style-type: none"> ▪ Selection ▪ Admission ▪ Guidance and Counseling ▪ Maintaining discipline - 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 <ul style="list-style-type: none"> ● Institutional Records and reports – Administrative, faculty, staff and students. 	<ul style="list-style-type: none"> * Lecture Discussion * Role plays * Counseling session Group Exercises 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

VII	10	<p>Nursing as a Profession</p> <ul style="list-style-type: none"> * Nursing as a profession <ul style="list-style-type: none"> ○ Philosophy; nursing practice ○ Aims and objectives ○ Characteristics of a professional nurse ○ Regulatory bodies; INC, SNC Acts;- Constitution, functions ○ Current trends and issues in Nursing * Professional ethics <ul style="list-style-type: none"> ○ Code of ethics; INC, ICN ○ Code of professional conduct; INC, ICN * Practice standards for Nursing; INC * Consumer protection Act * Legal aspects in Nursing <ul style="list-style-type: none"> ○ Legal terms related to practice; registration and licensing ○ Laws related to Nursing practice, Breach and Penalties ○ Malpractice and negligence 	<p>Teaching Learning Activity</p> <ul style="list-style-type: none"> * Lecture Discussion * Case discussion * Panel discussion * Role plays * Critical incidents * Visit to INC/SNRCs * Assessment of critical incidents 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks
VIII	3	<p>Professional Advancement:</p> <ul style="list-style-type: none"> * Continuing education * Career opportunities * Collective bargaining * Membership with professional organization; National and International * Participation in research activities * Lecture Discussion * Review / Presentation of published articles * Group work on maintenance of bulletin board. * Publications; Journals, newspapers etc. 	<ul style="list-style-type: none"> * Lecture Discussion * Review / Presentation of published articles * Group work on maintenance of bulletin board. 	<ul style="list-style-type: none"> * Essay type * Objective type * Fill in the Blanks

Reference Books

1. Hedgerken Loretta E, *Teaching and Learning in School of Nursing*, J.B. Lippincott Co., 1987, New Delhi.
2. Tomyay de Rheba, Thompson, *Strategies for Teaching Nursing*, Willey Medical Publisher, 1982, New York.
3. Brown Amy W.B, *Curricular Development*, Saunders Co., Philadelphia.
4. Tyler Ralph.W, *Basic Principles of Curriculum and Instruction*, University of Chicago, Philadelphia.
5. Gillbert, J.J, *Educational Hand Book for Health Personnel WHO*, 1981, Geneva.

Latest editions of all the suggested books are recommended.

Year	IV Year
Subject	Midwifery and Obstetrical Nursing Practical
THEORY	PRACTICAL
	360

Course Content

Areas	Time (Hrs)	Skills	Assignments	Assessmet Methods
Antenatal clinic/ OPD	2	<ul style="list-style-type: none"> • Antenatal historytaking • Physicalexamination • Recording of Weight &B.P. • Hb& Urine testing for sugar andalbumin • Antenatal examination- abdomen andbreast • Immunization • Assessment of riskstatus • Teaching antenatalmothers • 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 examination s • Completion of casebook recordings
Labour room O.T.	4	<ul style="list-style-type: none"> • Assessment of women in labour • Pervaginal examinations &interpretation • Monitoring & caring of woman inlabour • Maintenance ofpartograph • Conduct normal delivery • Newborn assessment &immediatecare • Resuscitation ofnewborns • Assessment of risk status of 	<ul style="list-style-type: none"> • * Conduct normal deliveries-20 • * Pervaginal examinations -5 • * Perform & suture the episiotomies-5 • Resuscitate newborns-5 • * Assist with Caesarean sections-2 • * Witness 	<ul style="list-style-type: none"> • Assessment of clinical performance with rating scale • Assessment of each skill with checklists • Completion of case book recordings

		<ul style="list-style-type: none"> newborn • Episiotomy & suturing • Maintenance of labour & birth records • Arrange for & 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"> abnormal deliveries-5 • Assist with MTP & other surgical procedures-1 • Case book recordings 	
Post natal ward	4	<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 • Breastfeeding • Baby bath • Immunization, • Teaching postnatal mother: <ul style="list-style-type: none"> ○ Mothercraft ○ Post natal care & ○ Exercises • Immunization 	<ul style="list-style-type: none"> • * Give care to Post natal mothers -20 • Health talks - 1 • Case study- • 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 & presentation and health education sessions
Newborn nursery	2	<ul style="list-style-type: none"> • Newborn assessment • Admission of neonates • Feeding of at risk neonates <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 & counselling of parents 	<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 of and observation study

		<ul style="list-style-type: none"> Maintenance of neonatal records 		
Family Planning clinic	Rotation from postnatal ward 1 wk	<ul style="list-style-type: none"> Counselling technique Insertion of IUD Teaching on use of family planning methods Arrange for & 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 & reporting -1 	<ul style="list-style-type: none"> Assessment of each skill with checklists Evaluation of and observation study

Essential Requirements for registration as midwife	
* Antenatal examination	30
* Conducting normal deliveries in hospital/home/health centre	20
* 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

Clinical Training Obstetrical Nursing weeks

Clinical Training Duration - 5

Area	Duration (in weeks)	Skills	Assignment	Assessment Methods
Labour ward	2	<ul style="list-style-type: none"> Integrated Practice 	<ul style="list-style-type: none"> Completion of other essential requirements 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Completion of case book recordings
NICU	1		<ul style="list-style-type: none"> Case book recordings 	
Antenatal	2			

Year	IV Year
Subject	Community Health Nursing- Practical
THEORY	PRACTICAL
-	135

Course Content

Areas	Time (Hrs)	Skills	Assignments	Assessment Methods
Community health nursing	1 wk. for Urban 4 wk for Rural	<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 clinical – antenatal, postnatal, well baby clinic, camp etc. * Screen manage and referrals for: <ul style="list-style-type: none"> ○ High risk mothers and neonates ○ Accidents and emergencies ○ Illness : Physical and mental ○ Disabilities * Conduct delivery at centre/home: Episiotomy and suturing * Resuscitate newborn * School Health programme <ul style="list-style-type: none"> ○ Screen, manage, refer children * Collaborate with health and allied agencies * Train and supervise health 	<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

		<p>workers</p> <p>* Provide family welfare services: Insertion of IUD</p> <p>* Counsel and teach individual, family and community about: HIV, TB, Diabetics, hypertension, Mental health, adolescents, elderly health, physically and mentally challenged individual etc.</p> <p>* Collect and Calculate Vital health statistics</p> <p>* Document and maintain</p> <ul style="list-style-type: none"> ○ Individual, family and administrative records. ○ Write reports-center, disease, national health programme/projects 		
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Placement: Clinical Training

Time: 4 Weeks

Area	Duration	Skills	Assessment
Urban	4 Weeks	* Integrated Practice and group project – 1 in each rural and urban	* Assess clinical performance with rating scale * Evaluation of project

PLACEMENT: INTERNSHIP

Sr. No.	Subject	Practical Hours	In Weeks	Internal assessment
1	Midwifery and Obstetrical nursing	240	5	20
2	*Community Health Nursing -II	195	4	20
3	Medical Surgical Nursing (Adult and geriatric)	430	9	20
4	Child Health Nursing	145	3	20
5	Mental Health Nursing	95	2	20

URBAN

- ② Integrated Practice and group project -1 in each rural and urban

Note: During the rural posting they should stay in health center under the supervision of tea

***MHPL Topics. (Theory & Practical 75 Hours)**

1. Roles and responsibilities of Mid-Level Health care providers.
2. New national health programmes.
3. AYUSHMAN BHARAT- The up gradation of sub centers into of health and wellness centers, concept of comprehensive primary health care and key elements of CPHC, service and continuum of care and roles of mid- Level health care providers .
4. Diagnosing and treatment skills essentials at sub-centre level using standard treatment protocol as per national health programmes.
5. Introduction to Rashtriya Bal Sureksha Karyakaram (RBSK)
6. Social mobilization skills.
7. Drug dispensing.
8. Programme management including supervision and monitoring.
9. Investigation of an outbreak.
10. Behavioral change communication and soft skills.
11. Integrated disease surveillance project.
12. Mother and child tracking system.
13. Chikugunya.
14. Organization of labour room.
15. Safe child birth check list.
16. Post partum visit by health worker.
17. Family planning 2020.
18. Nation family planning programmes.
19. Food born diseases.

Topic to be reviewed

- Health planning and health care delivery system in India (IPHS guidelines)
- Health management information system (HMIS)
- Electronic Medical Records(EMR)
- Micro birth planning.

- Adolescence counseling.
- Source of vital statistics.
- Financial management, accounts and computing at sub-centre
- Mental health act, drug de-addiction programmes.
- Time trends in disease occurrence in epidemiology.
- Infant and young child feeding and counseling.
- Nutrition across life cycle and update on national nutrition programmes.
- Use of equipment.
- Throat problems and febrile in seizure in children.
- Transportation of baby and common accidents and mishaps in labour room.
- Counseling – GATHER Approach.
- Update biomedical waste management by specifying biomedical waste management rules 2016.
- Suturing of superficial wounds.
- Postpartum intra uterine contraceptive device (PPIUCD)

All the national health programmes on Communicable, non communicable