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Philosophy

INC believes that:

Health is a state of well-being that enables a person to lead a psychologically, socially and economically productive life. Health is a right of all the people. Individuals, families and communities responsibility towards maintaining their health.

Nursing contributes to the health services in a vital and significant way in the health care delivery system. It recognizes national health goals and is committed to participate in the implementation of National Health policies and programmes. It aims at identifying health professionals and community groups.

Scope of nursing practice encompasses provision of promotive, preventive, curative and rehabilitative aspects of care to people across their life span in wide variety of health care settings. Practice of nursing is based upon application of basic concepts and principles derived from the physical, biological and behavioral sciences, medicine and nursing.

Nursing is based on values of caring, and aims to help individuals to attain independence in self-care. It necessitates development of compassion and understanding of human behaviour among its practitioners to provide care with respect and dignity and protect the rights of individuals & groups.

Undergraduate nursing program is broad based education within an academic framework specifically directed to the development of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven, self directed learning and foster an attitude of life long learning.

Under graduate nursing education program prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal. Social and professional obligations so as to respond to national aspirations.

Aim

The aim of the undergraduate nursing program is to:

- Prepare graduates to assume responsibilities as professional, competent nurses and midwives in providing promotive, preventive, curative, and rehabilitative services.
- Prepare nurses who can make independent decisions in nursing situations, protect the rights of and facilitate individuals and groups in pursuit of health, function in the hospital, community-nursing services, and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor, and manager in a clinical / public health setting.

Objectives

On completion of the four year B. Sc Nursing program the graduate will be able to:

1. Apply Knowledge from physical, biological and behavioral sciences, medicine including alternative systems and nursing in providing nursing care to individuals, families and communities.
2. Demonstrate understanding of life style and other factors, which affect health of individuals and groups.
3. Provide nursing care based on steps of nursing process in collaboration with the individuals
4. Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
5. Utilize the latest trends and technology in providing health care.
6. Provide promotive preventive and restorative health services in line with the national health policies and programmes.
7. Practice within the framework of code of ethics and professional conduct, and acceptable student of practice within the legal boundaries.
8. Communicate effectively with individuals and groups, and members of the health team in order to promote effective interpersonal relationships and teamwork.
9. Demonstrate skills in teaching to individuals and groups in clinical/community health settings.
10. Participate effectively as members of the health team in health care delivery system.
11. Demonstrate leadership and managerial skills in clinical/community health settings.
12. Conduct need based research student in various settings and utilize the research findings to improve the quality of care.
13. Demonstrate awareness, interest, and contribute towards advancement of self and of the profession.

Admission Requirements

1. The minimum age for admission shall be 17 years on or before 31st Dec. of the year of admission.
2. The minimum educational requirements shall be the passing of:

Higher Secondary school certificate Examination (12 year course)

Or

Senior School certificate Examination (10+2), Pre degree Examination (10+2)

Or

An equivalent with 12 years schooling from a recognized board or university with Sciences (Physics, Chemistry, Biology) and English with minimum of 50 % aggregate marks (PCBE).

3. Candidate shall be Medically fit.

Entrance / selection test

- Selection of the candidates should be based on the merit of the entrance examination held by University or competent authority.

Duration

Duration of the course shall be four years including internship

Vacation

8 Weeks vacation shall be given in each year.

Duration

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

COURSE OF INSTRUCTION

FIRST YEAR

Subject	Theory (in hrs.) (Class and lab)	Practical (in hrs.) (Clinical)	(In 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. Introduction of computers	45		
10. **Hindi / regional language	30		
11. Library work / self Study			50
12. Co- curricular Activities			50
Total Hours	930	450	100
Total hours =1480 Hrs.			

(** Optional)

SECOND YEAR

Subject	Theory (in hrs.) (Class and lab)	Practical (in hrs.) (Clinical)	(In hrs)
1. Sociology	60		
2. Pharmacology	45		
3. Pathology &	30		
4. Genetics	15		
5. Medical Surgical nursing (Adult including geriatrics)-I	210	720	
6. Community Health nursing -I	90	135	
7. Communication and Educational Technology	60+30		
8. Library work/ self Study			50
9. Co-curricular activities			35
Total Hours	540	855	85
Total hours =1480 hrs.			

THIRD YEAR

Subject	Theory (in hrs.) (Class and lab)	Practical (in hrs.) (Clinical)	(In hrs)
1. Medical –Surgical nursing (Adult including geriatrics)-II	120	270	
2. Child Health Nursing	90	270	
3. Mental Health Nursing	90	270	
4. Midwifery and Obstetrical nursing	90	180	
5. Library work/ self Study			50
6. Co-curricular activities			50
Total Hours	390	990	100
Total hours =1480 hrs.			

FOURTH YEAR

Subject	Theory (in hrs.) (Class and lab)	Practical (in hrs.) (Clinical)	(In hrs)
1. Midwifery and Obstetrical nursing		180	
2. Community Health nursing –II	90	135	
3. Nursing Research & Statistics	45		
4. Management of Nursing Services and education	60+30		
Total Hours	225	315	
Total hours =540 hrs.			

- Project work to be carried out during internship.

Practical =30 hours per week

Intern –Ship (Integrated Practice)

Subject	Theory	Practical (In hrs.)	In weeks
1. Midwifery and Obstetrical nursing		240	5
2. Community Health nursing –II		195	4
3. Medical Surgical Nursing (Adult and geriatric)		430	9
4. Child Health		145	3
5. Mental Health		95	2
6. Research Project		45	1
Total Hours		1150	24
Total hours =1480 hrs.			

Note:

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

Scheme of Examination

First Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
1. Anatomy & Physiology	3	25	75	100
2. Nutrition & Biochemistry	3	25	75	100
3. Nursing Foundations	3	25	75	100
4. Psychology	3	25	75	100
5. Microbiology	3	25	75	100
6. English	3	25	75	100
7. Introduction of computers		25	75	100
Practical and Viva Voce				
1. Nursing Foundations		100	100	200

Second Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
8. Sociology	3	25	75	100
9. Medical Surgical nursing-I	3	25	75	100
10. Pharmacology, Pathology, Genetics	3	25	75	100
11. Community Health nursing -I	3	25	75	100
12. Communication and Educational Technology	3	25	75	100
Practical and Viva Voce				
2. Medical –Surgical Nursing-I		100	100	200

Third Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
13. Medical –Surgical nursing-II	3	25	75	100
14. Child Health Nursing	3	25	75	100
15. Mental Health Nursing	3	25	75	100
Practical and Viva Voce				
3. Medical –Surgical nursing-II		50	50	100
4. Child Health Nursing		50	50	100
5. Mental Health Nursing		50	50	100

Fourth Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
16. Midwifery and Obstetrical nursing	3	25	75	100
17. Community Health nursing – II	3	25	75	100
18. Nursing Research & Statistics	3	25	75	100
19. Management and Nursing Services and education	3	25	75	100
Practical and Viva Voce				
6. Midwifery and Obstetrical nursing	3	50	50	100
7. Community Health nursing	3	50	50	100

Note: -

1. Anatomy and physiology –Question paper will consist of Section A Anatomy of 37 marks and B Physiology should be of 38 marks.
2. Nutrition and Biochemistry and –Question paper will consist of Section A Nutrition of 45 marks and Section B of Biochemistry of 30 marks.
3. Pharmacology, genetics, and pathology: Section A of Pharmacology with 38 marks, Section B of Pharmacology of 25 and Genetics with 12 marks.
4. Nursing Research & Statistics-Nursing Research Should be of 50 marks and Statistics of 25 marks.
5. Minimum pass mark shall be 40% for English only.
6. Theory and Practical exams for Introduction to computer to be conducted as College exam and marks to be sent to University for inclusion in the marks sheet.
7. Minimum pass marks shall be 50% in each of the theory and practical papers separately.
8. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
9. A candidate must have 100% attendance in each of the practical area before award of degree.
10. A Candidate has to pass in theory and practical exam separately in each of the paper.
11. If a candidate fails in either theory or practical paper he/she has re-appear for both the papers (Theory and Practical)
12. Maximum number of attempts permitted for each is 3 including first attempt
13. A Candidate failing in more then two subjects will not be prompted to the next year.
14. Candidate shall not be admitted to the subsequent higher examination unless the candidate has passed the previous examination.
15. The maximum period to complete the course successfully should not exceed 8 years
16. Maximum number of candidate for practical examination should note exceed 20 per day
17. All practical examinations must be held in the respective clinical areas.
18. One internal and one external examiner should jointly conduct practical examination for each student.
19. An examiner should be a lecture or above in a college of nursing with M. Sc (N) in concerned subject and minimum of 3 year of teaching experience. To be an examiner for nursing foundations faculty having M. Sc (N) with any specialty shall be considered.

English

Placement -: first Year

Time: theory –60 hours

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

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
I	10	<ul style="list-style-type: none"> • Speak and write grammatically correct English 	<ul style="list-style-type: none"> • Review of Grammar • Remedial study of Grammar • Building Vocabulary • Phonetics • Public Speaking 	<ul style="list-style-type: none"> • Demonstrate use of dictionary • Class-room conversation • Exercise on use if Grammar • Practice in public speaking 	<ul style="list-style-type: none"> • Objective type • Fill in the blanks • Para - phrasing
II	30	<ul style="list-style-type: none"> • Develop ability to read, understand and express meaningfully the prescribed text 	<ul style="list-style-type: none"> • Read and comprehend prescribed course books 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> □ Reading □ Summarizing □ Comprehension 	<ul style="list-style-type: none"> • Short Answers • Essay types
III	10	<ul style="list-style-type: none"> • Develop writing skills 	<ul style="list-style-type: none"> • Various forms of composition <ul style="list-style-type: none"> □ Letter writing □ Note taking □ Precise writing □ Nurses notes □ Anecdotal records □ Diary writing □ Reports on health problems etc. □ Resume/CV 	<ul style="list-style-type: none"> • Exercise on writing <ul style="list-style-type: none"> □ Letter writing □ Nurses Notes □ Precise □ Diary □ Anecdote □ Health problems □ Story writing □ Resume /CV • Essay writing <ul style="list-style-type: none"> □ Discussion on written reports/ documents 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list
IV	6	<ul style="list-style-type: none"> • Develop skill in spoken English 	<ul style="list-style-type: none"> • Spoken English <ul style="list-style-type: none"> □ Oral □ Discussion □ Debate □ Telephonic conversation 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> □ Debating □ Participating in Seminar, panel, symposium □ Telephonic conversation 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list
V	4	<ul style="list-style-type: none"> • Develop skill in the listening comprehension 	<ul style="list-style-type: none"> • Listening Comprehension <ul style="list-style-type: none"> □ Media, audio, Video, speeches etc. 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> □ Listening to audio, video tapes and Identify the key points 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list

Anatomy

Placement: First Year

Time: Theory –60 Hours

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

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
I	5	<ul style="list-style-type: none"> Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands 	<p>Introduction to Anatomical terms organization of the human body</p> <ul style="list-style-type: none"> Human Cell structure Tissues-Definition, Types characteristics, classification, location, functions and formation Membranes and glands – classification and structure <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, microscopic slides, Skeleton & torso Demonstrate cell, types of tissues membranes and glands Record book 	<ul style="list-style-type: none"> Short answer questions Objective types
II	6	<ul style="list-style-type: none"> Describe the structure & function of bones and joints 	<p>The Skeletal System</p> <ul style="list-style-type: none"> Bones –types, structure, Axial & Appendicular Skeleton, Bone formation and growth Description of bones Joints- classification and structure <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, Skeleton loose bones, and joints Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
III	7	<ul style="list-style-type: none"> Describe the structure and function of muscles 	<p>The Muscular system</p> <ul style="list-style-type: none"> Types and structure of muscles Muscle groups <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models and films Demonstrate muscular movements Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
IV	6	<ul style="list-style-type: none"> Describe the structure & function of nervous system 	<p>The Nervous System</p> <ul style="list-style-type: none"> Structure of neuralgia & neurons Somatic Nervous systems <ul style="list-style-type: none"> Structure of brain, spinal chord, cranial nerves, spinal nerves, peripheral nerves Autonomic Nervous system – sympathetic, parasympathetic <ul style="list-style-type: none"> Structure, location <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, torso, models, slides specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective types

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
V	6	<ul style="list-style-type: none"> Explain the structure & function of sensory organs 	<p>The Sensory Organs</p> <ul style="list-style-type: none"> Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus) <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, torso, models, slides specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VI	7	Describe the structure & function of circulatory and lymphatic system	<p>Circulatory and lymphatic system</p> <ul style="list-style-type: none"> The Circulatory system <ul style="list-style-type: none"> Blood-Microscopic structure Structure of Heart Structure of blood vessels- Arterial & Venous System, Circulation: systemic, pulmonary, coronary Lymphatic system <ul style="list-style-type: none"> Lymphatic vessels and lymph Lymphatic tissues <ul style="list-style-type: none"> Thymus gland Lymph nodes Spleen Lymphatic nodules <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, models, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	5	<ul style="list-style-type: none"> Describe the structure & functions of Respiratory system 	<p>The Respiratory System</p> <ul style="list-style-type: none"> Structure of the organs of respiration Muscles of respiration: Intercostals and Diaphragm <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using model, torso, charts, slides, Specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VIII	6	<ul style="list-style-type: none"> Describe the structure & functions of digestive system 	<p>The digestive System</p> <ul style="list-style-type: none"> Structure of Alimentary tract and accessory organs of digestion <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using model, torso, charts, slides, Specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
IX	4	<ul style="list-style-type: none"> Describe the structure & functions of Excretory system 	<p>The Excretory System (Urinary)</p> <ul style="list-style-type: none"> Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using model, torso, charts, slides, Specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
X	4	<ul style="list-style-type: none"> Describe the structure & functions of endocrine system 	<p>The Endocrine System</p> <ul style="list-style-type: none"> Structure of pituitary, Pancreas, Thyroid, Parathyroid, thymus and adrenal glands <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using model, torso, charts, slides, Specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
XI	4	<ul style="list-style-type: none"> Describe the structure & functions of reproductive system 	<p>The Reproductive System</p> <ul style="list-style-type: none"> Structure of female reproductive organs Structure of male reproductive organs Structure of breast Structure in disease <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using model, torso, charts, slides, Specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Physiology

Placement: first year

Time: theory 60-Hours

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
I	4	<ul style="list-style-type: none"> Describe the physiology of cell, tissues membranes and glands 	Cell Physiology <ul style="list-style-type: none"> Tissue- formation repair Membranes & glands-functions Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answer questions Objective type
II	4	<ul style="list-style-type: none"> Describe the bone formation and growth and movements of skeleton system 	Skeletal System <ul style="list-style-type: none"> Bone formation & growth Bones-Functions and movements of bones of axial and Appendicular skeleton, bone healing Joints and joint movement Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models and films Demonstration of joint movements 	<ul style="list-style-type: none"> Short answer questions Objective type
III	4	<ul style="list-style-type: none"> Describe the muscle movements and tone and demonstrate muscle contraction and tone 	Muscular System <ul style="list-style-type: none"> Muscle movements, muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models, slides, specimen and films Demonstration of muscle movements, tone and contraction 	<ul style="list-style-type: none"> Short answer questions Objective type
IV	7	<ul style="list-style-type: none"> Describe the physiology of never stimulus, reflexes, brain, cranial and spinal nerves 	Nervous System <ul style="list-style-type: none"> Functions of Neuralgia & neurons Stimulus & nerve-impulse-definitions and mechanism Functions of brain, spinal, cord, cranial and spinal nerves Cerebrospinal fluid-Composition, circulation and function Reflex arc, reflex action and reflexes 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models and films Demonstrate nerve stimulus, reflex action, reflexes 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> Autonomic functions- <ul style="list-style-type: none"> Pain: somatic, visceral, and referred Autonomic learning and biofeedback <p>Alterations in disease</p> <ul style="list-style-type: none"> Application and implications in nursing 		
V	8	Describe the physiology of blood and function of Heart Demonstrate blood cell Count, coagulation, grouping, Hb: BP and pulse monitoring	<p>Circulatory System</p> <ul style="list-style-type: none"> Blood formation, composition, blood groups, blood coagulation Hemoglobin: Structure, Synthesis, and breakdown, Variation of molecules, estimation Functions of Heart, Conduction, Cardiac cycle, circulation-Principles, control, factors, influencing BP and Pulse <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, models and films Demonstration of Blood cell count, coagulation, grouping/ Hemoglobin estimation, Heart conduction systems. Measurement of Pulse, BP 	<ul style="list-style-type: none"> Short answer questions Objective type
VI	6	<ul style="list-style-type: none"> Describe the physiology and Mechanisms of respiration Demonstrates spirometry 	<p>The Respiratory System</p> <ul style="list-style-type: none"> Functions of respiratory organs Physiology of respiration Pulmonary ventilation, Volume Mechanics of respiration Gaseous exchange in lungs Carriage of oxygen & carbon-dioxide Exchange of gases in tissues Regulation of respiration <p>Alterations in disease Application and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films Demonstration of Spirometry 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	6	<ul style="list-style-type: none"> Describes the physiology digestive system Demonstrates BMR 	<p>The Digestive Systems</p> <ul style="list-style-type: none"> Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food, Functions of liver, gall bladder and pancreas Metabolism of carbohydrates, protein and fat. 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
VIII	5	<ul style="list-style-type: none"> Describes the physiology of excretory System 	The Excretory System <ul style="list-style-type: none"> Functions of kidneys, ureters, urinary bladder & urethra Composition of urine Mechanism of urine formation Functions of skin Regulation of body temperature Fluid and electrolyte balance, Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films 	<ul style="list-style-type: none"> Short answer questions Objective types
IX	4	<ul style="list-style-type: none"> Describes the Physiology of sensory organs 	The Sensory Organs <ul style="list-style-type: none"> Functions of skin, eye, ear, nose, tongue Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films 	<ul style="list-style-type: none"> Short answer questions Objective type
X	5	<ul style="list-style-type: none"> Describe the physiology of endocrine glands 	The Endocrine System <ul style="list-style-type: none"> Functions of Pituitary, Pineal body, thymus, Thyroid, Parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films Demonstration of BMR 	<ul style="list-style-type: none"> Short answer questions Objective type
XI	5	<ul style="list-style-type: none"> Describe the physiology of Male & female reproductive system 	The Reproductive System <ul style="list-style-type: none"> Reproduction of cells- DNA, Mitosis, Meiosis, spermatogenesis, oogenesis Function of female reproductive organs; Functions of Breast, Female sexual cycle. Introduction to embryology Functions of male reproductive organs, male function in reproduction, Male fertility system, Alterations in disease Application and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, and films, models, specimens 	<ul style="list-style-type: none"> Short answer questions Objective type
XII	2	<ul style="list-style-type: none"> Describe the physiology of Lymphatic and Immunologic-al System 	Lymphatic and Immunological System <ul style="list-style-type: none"> Circulation of lymph Immunity <ul style="list-style-type: none"> Formation of T-Cells, B- Cells Types of Immune response Antigens Cytokines Antibodies 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films 	<ul style="list-style-type: none"> Short answer questions Objective type

Nutrition

Placement: First Year

Time: Theory 60 hours

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

Unit	Time Hrs.		Learning Objectives	Content	Teaching learning Activates	Assessment methods
	Th.	Pr.				
I	4		<ul style="list-style-type: none"> Describe the relationship between nutrition & Health 	<p>Introduction</p> <ul style="list-style-type: none"> Nutrition: <ul style="list-style-type: none"> History Concepts Role of nutrition in maintaining health Nutritional problems in India National nutritional policy Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc. Role of food and its medicinal value Classification of foods Food standards Elements of nutrition: Macro and micro Calorie, BMR 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts Panel discussion 	<ul style="list-style-type: none"> Short answer Objective type
II	2		<ul style="list-style-type: none"> Describe the classification functions, sources and recommended daily allowances (RDA) of carbohydrates 	<p>Carbohydrates</p> <ul style="list-style-type: none"> Classification Caloric value Recommended Daily allowances Dietary sources Functions, Digestion, absorption and storage, metabolism of carbohydrates Malnutrition: Deficiencies and Over consumption 	<ul style="list-style-type: none"> Lecture Discussion Explaining using charts 	<ul style="list-style-type: none"> Short answer Objective type
III	2		<ul style="list-style-type: none"> Describe the classification functions, 	<p>Fats</p> <ul style="list-style-type: none"> Classification, 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answer

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

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

Unit	Time Hrs.		Learning Objectives	Content	Teaching learning Activates	Assessment methods
	Th.	Pr.				
			<ul style="list-style-type: none"> Diet for different categories of people 	<ul style="list-style-type: none"> 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"> Explaining using charts Practice session Meal planning 	<ul style="list-style-type: none"> Objective type Exercise on menu planning
XI	4		<ul style="list-style-type: none"> Describe various national programmes related to nutrition Describe the role of nurse in assessment of nutritional status and nutrition education 	<p>Role of nurse in nutritional programmes</p> <ul style="list-style-type: none"> National Programmes related to nutrition Vitamin A deficiency Programme National iodine deficiency disorders (IDD) Programme Mid-day meal Programme Integrated child development scheme (ICDS) National and International agencies working towards food/ nutrition Assessment of nutritional status Nutrition education and role of nurse 	<ul style="list-style-type: none"> Lecture Discussion Explaining with Slide/Film shows Demonstration of Assessment of nutritional status 	<ul style="list-style-type: none"> Short answers Objective type

Biochemistry

Placement: First Year

Time: Theory –30 Hours

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

Unit	Time (hrs.)	Objectives	Content	Teaching Learning Activity	Assessment Methods
I	3	<ul style="list-style-type: none"> Describe the structure Composition and functions of cell Differentiate between prokaryote and Eukaryote cell Identify techniques of Microscopy 	Introduction <ul style="list-style-type: none"> Definition and significance in nursing Review of structure, Composition and functions of cell Prokaryote and Eukaryote cell organization Microscopy 	<ul style="list-style-type: none"> Lecture discussion using charts, slides Demonstrate use of microscope 	<ul style="list-style-type: none"> Short answer questions Objective type
II	6	<ul style="list-style-type: none"> Describe the structure and functions of Cell membrane 	Structure and functions of cell membrane <ul style="list-style-type: none"> Fluid mosaic model tight junction, Cytoskeleton Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump Acid base balance –maintenance & diagnostic tests <ul style="list-style-type: none"> PH buffers 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answer questions Objective type
III	6	<ul style="list-style-type: none"> Describe the metabolism of carbohydrates 	Composition and metabolism of Carbohydrates <ul style="list-style-type: none"> Types, structure, composition and uses <ul style="list-style-type: none"> Monosaccharides, Disaccharides, polysaccharides, Oligosaccharides, Metabolism <ul style="list-style-type: none"> Pathways of glucose: <ul style="list-style-type: none"> Glycolysis Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle Glycogenolysis Pentose phosphate pathways (Hexose mono phosphate) Regulation of blood 	<ul style="list-style-type: none"> Lecture discussion using charts, slides Demonstration of blood glucose monitoring 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (hrs.)	Objectives	Content	Teaching Learning Activity	Assessment Methods
			glucose level Investigations and their interpretations		
IV	4	<ul style="list-style-type: none"> Explain the metabolism of Lipids 	<p>Composition and metabolism of Lipids</p> <ul style="list-style-type: none"> Types, structure, composition and uses of fatty acids <ul style="list-style-type: none"> Nomenclature, Roles and Prostaglandins Metabolism of fatty acid <ul style="list-style-type: none"> Breakdown Synthesis Metabolism of triacylglycerols Cholesterol metabolism <ul style="list-style-type: none"> Biosynthesis and its regulation <ul style="list-style-type: none"> Bile salts and bilirubin Vitamin D Steroid hormones Lipoproteins and their functions: <ul style="list-style-type: none"> VLDs -IDLs, LDLs and HDLs Transport of lipids Atherosclerosis, Investigations and their interpretations 	<ul style="list-style-type: none"> Lecture discussion using charts Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type
V	6	<ul style="list-style-type: none"> Explain the metabolism of Amino acids and Proteins 	<p>Composition and metabolism of Amino acids and Proteins</p> <ul style="list-style-type: none"> Types, structure,, composition and uses of Amino acids and Proteins Metabolism of Amino acids and Proteins <ul style="list-style-type: none"> Protein Synthesis, targeting and glycosylation Chromatography Electrophoresis Sequencing Metabolism of Nitrogen <ul style="list-style-type: none"> Fixation and assimilation 	<ul style="list-style-type: none"> Lecture discussion using charts Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (hrs.)	Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> ❑ Urea Cycle ❑ Hemes and chlorophylls • Enzymes and c o-enzymes <ul style="list-style-type: none"> ❑ Classification ❑ Properties ❑ Kinetics and inhibition ❑ Control <p>Investigations and their interpretations</p>		
VI	2	<ul style="list-style-type: none"> • Describe types, composition and utilization of Vitamins & minerals 	<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 & transporting ❑ Normal concentration <p>investigations and their interpretations</p>	<ul style="list-style-type: none"> • Lecture Discussion using chart • Demonstration of laboratory tests 	<ul style="list-style-type: none"> • Short answer questions • Objective type
VII	3	<ul style="list-style-type: none"> • Describe Immuno-chemistry 	<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, Elastin, Keratin, Myosin, and Lens Protein. • Electrophoretic and Quantitative determination of immunoglobins – ELISA etc. <p>Investigations and their interpretations</p>	<ul style="list-style-type: none"> • Lecture discussion • Demonstrate laboratory tests 	<ul style="list-style-type: none"> • Short answer Questions • Objective type

Nursing Foundations

Placement: First Year

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

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

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
I	10	<ul style="list-style-type: none"> Describe the concept of health, illness and health care agencies 	Introduction <ul style="list-style-type: none"> Concept of Health: Health Illness continuum Factors influencing health Causes and risk factors for developing illness Body defences; Immunity and immunization Illness and illness Behavior Impact of illness on patient and family Health Care Services: Health promotion and prevention, Primary care, Diagnoses, 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 Short Answers Objective type
II	16	<ul style="list-style-type: none"> Explain concept and scope of nursing Describe values, code of ethics and professional conduct for nurses in India 	Nursing as a profession <ul style="list-style-type: none"> Definition and characteristics of a profession Nursing: <ul style="list-style-type: none"> Definition, Concepts, Philosophy, Objectives Characteristics, nature and scope of nursing practice Functions of nurses Qualities of a nurse Categories of nursing personnel 	<ul style="list-style-type: none"> Lecture discussion Case discussion Role plays 	<ul style="list-style-type: none"> Essay type Short Answers Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> ❑ Nursing as a profession ❑ History of Nursing in India • Values: Definition, Types. Values Clarification and values in professional Nursing: Caring and Advocacy • Ethics: <ul style="list-style-type: none"> ❑ Definition and Ethical principles ❑ Code of ethics and professional conduct for nurses 		
III	4	<ul style="list-style-type: none"> • Explain admission and discharge procedure • Performs admission discharge procedure 	<p>Hospital admission and discharge</p> <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> ❑ Unit and its preparation admission bed ❑ Admission procedure ❑ Special considerations ❑ Medico-legal issues ❑ Roles and responsibilities of the nurse • Discharge from the Hospital <ul style="list-style-type: none"> ❑ Types: Planned discharge, LAMA and abscond, referrals and transfers ❑ Discharge planning ❑ Discharge procedure ❑ Special considerations ❑ Medico-legal issues ❑ Role and Responsibilities the nurse ❑ Care of the unit after discharge 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short Answers • Objective type • Assess skills with check list examination
IV	10	<ul style="list-style-type: none"> • Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image) 	<p>Community and Nurse patient relationship</p> <ul style="list-style-type: none"> • Communication: Levels, Elements, Types, Modes, Process, Factors influencing communication <ul style="list-style-type: none"> ❑ Methods of Effective communication, <ul style="list-style-type: none"> ▪ Attending skills ▪ Rapport building Skills ▪ Empathy skills 	<ul style="list-style-type: none"> • Lecture Discussion • Role play and video film on the nurses interacting with the patient • Practice Session on patient teaching • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short Answers • Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
		<ul style="list-style-type: none"> Appreciate the importance of patient teaching in nursing 	<ul style="list-style-type: none"> Barriers to effective communication, Helping Relationships (NPR) Dimensions of Helping relationship, Communicating effectively with patient, families and team member and maintain effective human relations with special reference to communicating with vulnerable group (children, women, physically and mentally challenged and elderly) Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process 		
V	15	<ul style="list-style-type: none"> Explain the concept, uses, format and steps of nursing process Documents nursing process as per the format 	<p>The Nursing Process</p> <ul style="list-style-type: none"> Critical Thinking and Nursing judgment <ul style="list-style-type: none"> Critical Thinking: Thinking and Learning Competencies, Attitudes for Critical thinking, levels of critical thinking in Nursing Nursing Process Overview: Application in Practice. <ul style="list-style-type: none"> Nursing process format: INC, current format Assessment <ul style="list-style-type: none"> Collection of Data: Types sources, Methods Formulating Nursing judgment: Data interpretation Nursing diagnosis <ul style="list-style-type: none"> Identification of client problems Nursing diagnosis statement Difference between medical and nursing diagnosis Planning <ul style="list-style-type: none"> Establishing Priorities Establishing Goals and expected Out comes. 	<ul style="list-style-type: none"> Lecture discussion Demonstration Exercise Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> ▪ Selection of intervention: protocols and standing Orders ▪ Writing the Nursing Care Plan □ Implementation <ul style="list-style-type: none"> ▪ Implementing the plan of care □ Evaluation <ul style="list-style-type: none"> ▪ Outcome of care ▪ Review and Modify □ Documentation and Reporting 		
VI	4	<ul style="list-style-type: none"> • Describe the purposes, types, and techniques of recording and reporting 	Documentation and Reporting <ul style="list-style-type: none"> • Documentation: purposes of recording and reporting • Communication within the Health Care Team, • Types of records; ward records, medical /nursing records • Common Record- keeping forms, computerized documentation • Guidelines for Reporting: Factual Basis, Accuracy, Completeness, current ness, Organization, confidentiality • Methods of recording • Reporting: Change of shift reports: Transfer reports, Incident reports • Minimizing legal Liability through effective record keeping 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice Session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type
VII	15	<ul style="list-style-type: none"> • Describe principles and techniques of monitoring and maintaining vital sings • Monitor and Maintain vital sings 	Vital sings <ul style="list-style-type: none"> • Guidelines for taking vital signs: • Body temperature: <ul style="list-style-type: none"> □ Physiology, Regulation, Factors affecting body Temperature □ Assessment of body temperature: Sites equipments and technique, special considerations □ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia □ Hot and cold applications 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objectiviti es type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> • Pulse: <ul style="list-style-type: none"> □ Physiology and regulation, Characteristics of the pulse, factors affecting pulse □ Assessment of pulse: Sites, location, equipments and technique, special considerations □ Alterations in pulse: • Respiration: <ul style="list-style-type: none"> □ Physiology and regulation mechanics of breathing Characteristics of the respiration, Factors affecting respiration □ Assessment of respirations: technique, special considerations □ Alterations in respiration • Blood pressure: <ul style="list-style-type: none"> □ Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure □ Assessment of blood pressure: Sites, equipments and technique, special considerations □ Alterations in blood pressure • Recording of vital signs 		
VIII	30	<ul style="list-style-type: none"> • Describe Purpose and process of health assessment • Describe the health assessment of each body system • Perform health assessment of each body system 	Health assessment <ul style="list-style-type: none"> • Purposes • Process of Health assessment <ul style="list-style-type: none"> □ Health history □ Physical examination: <ul style="list-style-type: none"> ▪ Methods-Inspection, palpation, percussion Auscultation, Olfaction ▪ Preparation for examination: patient and unit ▪ General assessment ▪ Assessment of each body system ▪ Recording of health assessment 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice on simulators • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
IX	5	<ul style="list-style-type: none"> Identifies the various machinery, equipment and linen and their care 	Machinery, Equipment and Linen <ul style="list-style-type: none"> Types: Disposables and 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 Short answers Objective type
X	60	<ul style="list-style-type: none"> Describe the basic, physiological and psychosocial needs of patients Describe the principles and techniques for meeting basic, physiological and psychosocial needs of patient Perform plan, implement and evaluate the care for meeting basic. Physiological need of patient 	Meeting needs of patient <ul style="list-style-type: none"> Basic needs (activities of daily living) <ul style="list-style-type: none"> □ Providing safe and clean environment: <ul style="list-style-type: none"> Physical – environment: Temperature, Humidity, Noise, Ventilation, light, Odour, Pests control Reduction of physical hazards: fire, accidents Safety devices: Restraints, side rails, airways, trapez, etc. Role of nurse in providing safe and clean environment Hygiene:- <ul style="list-style-type: none"> Factors Influencing Hygienic practice Hygienic care: Care of the skin-Bath and pressure point, feet and nail, Oral cavity, Hair Care, Eyes Ears, and nose <ul style="list-style-type: none"> ○ Assessment, principles, types, Equipment procedure, Special considerations <ul style="list-style-type: none"> □ Patient environment : Room Equipment and linen, making patient beds 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice sessions Supervised practice Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Objective types Assess with check list and clinical examination

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> ○ Types of beds and bed making □ Comfort; <ul style="list-style-type: none"> ▪ Factors influencing comfort ▪ Comfort devices • Physiological needs: <ul style="list-style-type: none"> □ Sleep and Rest: <ul style="list-style-type: none"> ▪ Physiology of sleep ▪ Factors affecting sleep ▪ Promoting Rest and sleep ▪ Sleep Disorders □ Nutrition: - <ul style="list-style-type: none"> ▪ Importance ▪ Factors affecting nutritional needs: Principles, equipments, procedure and special considerations <ul style="list-style-type: none"> ○ Oral ○ Enteral: Naso/Orogastric, Gastrostomy ○ Parenteral • Urinary Elimination <ul style="list-style-type: none"> ▪ Review of physiology of Urine Elimination, Composition and characteristics of urine ▪ Factors influencing Urination ▪ Alteration in Urinary Elimination ▪ Types and Collection of urine specimen: Observation, urine testing ▪ Facilitating urine elimination: assessment, types, equipments, procedures and special considerations • Providing urinal /bed pan 		

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> ○ Condom Drainage ○ Perineal care ○ Catheterization ○ Care of urinary drainage ○ Care of urinary diversions ○ Bladder irrigation • Bowel Elimination <ul style="list-style-type: none"> ▪ Review of Physiology of Bowel Elimination, composition and characteristics of Faeces ▪ Factors affecting Bowel elimination ▪ Alteration in bowel elimination ▪ Type and Collection of specimen of Faeces: Observation ▪ Facilitating bowel Elimination: Assessment, equipments, procedures and, special considerations ▪ Passing of flatus tube <ul style="list-style-type: none"> ○ Enemas ○ Suppository ○ Sitz both ○ Bowel wash ○ Care of ostomies □ Mobility and Immobility <ul style="list-style-type: none"> ▪ Principles of Body Alignment and mobility ▪ Factors affecting body Alignment and mobility ▪ Hazards associated with immobility ▪ Alteration in body Alignment and Mobility: ▪ Nursing intervention for impaired Body 		

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<p>alignment and mobility: Assessment, types, devices used, method and special considerations rehabilitation aspects</p> <ul style="list-style-type: none"> ○ Rang of motion exercises ○ Maintaining body alignment: positions ○ Moving ○ Lifting ○ Transferring ○ Walking ○ Restraints <p>□ Oxygenation</p> <ul style="list-style-type: none"> ▪ Review of Cardiovascular and respiratory physiology ▪ Factors Affecting Oxygenation ▪ Alterations in oxygenation ▪ Nursing interventions in oxygenation: assessment, types, equipments used, procedure and special considerations ○ Maintenance of patent airway ○ Oxygen administration ○ Suction ○ Inhalations: dry and moist ○ Chest physiotherapy and postural drainage ○ Care of chest drainage ○ Pulse oximetry ○ CPR-Basic life support <p>□ Fluid, Electrolyte, and Acid -Base Balances</p> <ul style="list-style-type: none"> ▪ Review of physiological Regulation of fluid, Electrolyte, acid- 		

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<p>Base balances</p> <ul style="list-style-type: none"> ▪ 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: assessments, types, equipments procedure and special considerations <ul style="list-style-type: none"> ○ Measuring fluid intake and Output ○ Correcting Fluid, Electrolyte Imbalance: <ul style="list-style-type: none"> ✓ Replacement of fluids: Oral and parenteral venipuncture, IV flow rates, changing IV solutions and tubing, changing IV dressing, ✓ Administering Blood transfusion ✓ Restriction of fluids <ul style="list-style-type: none"> • Psychosocial Needs <ul style="list-style-type: none"> □ Concepts of Cultural Diversity, Stress and Adaptation, self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving □ Assessment of psychosocial needs □ Nursing intervention for psychosocial needs <ul style="list-style-type: none"> ○ Assist with coping and adaptation ○ Creating therapeutic environment <ul style="list-style-type: none"> ✓ Recreational and diversional therapies 		

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
XI	20	<ul style="list-style-type: none"> Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings 	<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 infection, 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) <ul style="list-style-type: none"> Isolation: source and protective Personal protecting equipment: 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 	
XII	40	<ul style="list-style-type: none"> Explain the principles, routes, effects of administration of medications Calculate conversions of 	<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 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
		<p>drugs and dosages within and between systems of measurements</p> <ul style="list-style-type: none"> • Administer drugs by the following routes –oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous topical, inhalation 	<p>Administering medications and Medication Errors</p> <ul style="list-style-type: none"> ❑ Drug forms ❑ Routes of administration ❑ Storage and maintenance of drugs and Nurses responsibility ❑ Broad classification of drugs ❑ Therapeutic Effect, side effect, Toxic effects, Idiosyncratic Reactions, Allergic Reactions, Drug, Tolerance, Drug Interactions, ❑ Factors influencing drug actions ❑ Systems of drug Measurement: Metric System, Apothecary Systems, Household Measurements, Solutions ❑ Converting Measurements Units: Conversion within one systems, Conversion between systems, Dosage Calculation <ul style="list-style-type: none"> ❑ Terminologies and abbreviations used in prescriptions of medications • Oral Drugs Administrations: Oral, Sublingual and Buccal: Equipment, procedure • Parenteral <ul style="list-style-type: none"> ❑ General Principles: decontamination and disposal of syringes and needles ❑ Types of parenteral therapies ❑ Types of syringes, needles, canula, and infusion sets ❑ Protection from needlestick Injuries: Giving Medications with a safety syringes ❑ Routes of parenteral therapies 		<p>list and clinical practical Examination</p>

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> - Intradermal: Purpose, site, equipment, procedure, special considerations - Subcutaneous: purpose, site, equipment, procedure, special considerations - Intramuscular: Purpose, site, equipments, - Procedure, special considerations - Intra Venous: purpose, site, equipment, procedure, special considerations • Advanced techniques: epidural, intrathecal, intraosseous, intraperitoneal, intraplural intraarterial- Role of nurse • Topical Administration: purposes, site, equipment, procedure special considerations for <ul style="list-style-type: none"> □ Application to Skin □ Application to mucous membrane <ul style="list-style-type: none"> - Direct application of liquids-Gargle and swabbing the throat - Insertion of Drug into body cavity: Suppository/ medication packing in rectum/ vagina - Instillations: Ear, Eye, Nasal, Bladder, and Rectal - Irrigations: Eye, Ear, Bladder, Vaginal and Rectal - Spraying: Nose and throat • Inhalation: Nasal, oral, endotracheal / tracheal (steam, oxygen and medications)- purposes, types, equipment, procedure, special considerations <p>Recording and reporting of</p>		

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			medications administered		
XIII	10	<ul style="list-style-type: none"> Describe the pre and post operative post operative care of patients Explain the process of wound healing Explain the principles and techniques of wound care Perform care of wounds 	<p>Meeting needs of Perioperative patients</p> <ul style="list-style-type: none"> Definition and concept of Perioperative Nursing Perioperative Phase <ul style="list-style-type: none"> Preparation of patient for surgery Intraoperative <ul style="list-style-type: none"> Operation theatre Set up and environment Role of nurse Postoperative Phase <ul style="list-style-type: none"> Recovery unit Post operative unit, Post operative care Wounds: types, Classifications, wound Healing Process, Factors affecting Wound ,complications of wound healing Surgical asepsis Care of the wound: types, equipment, procedure and special considerations <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 Short answers Objective type Assess with check list and clinical practical Examination
XIV	15	<ul style="list-style-type: none"> Explain care of patents having alterations in body functioning 	<p>Meeting special needs of the patient</p> <ul style="list-style-type: none"> Care of patients having alteration in <ul style="list-style-type: none"> Temperature (hyper and hypothermia); Types Assessment, Management Sensorium (Unconsciousness); Assessment, Management <ul style="list-style-type: none"> Urinary elimination (Retention and incontinence) assessment & management Functioning of sensory organs: (Visual & hearing impairment) 	<ul style="list-style-type: none"> Lecture discussion Case discussion Supervised Clinical practice 	<ul style="list-style-type: none"> Essay types Short answers Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			<ul style="list-style-type: none"> ❑ Assessment of Self-Care ability ❑ Communication Methods and special considerations ❑ Mobility (physically challenged, cast), assessment of self care ability: Communication Methods and special considerations ❑ Mental state (mentally challenged), assessment of self-Care ability; ❑ Communication Methods and special considerations ❑ Respiration (distress); Types, Assessment, Management <ul style="list-style-type: none"> ❑ Comfort- (Pain) – Nature, Types, Factors influencing pain, Coping, Assessment, Management: • Treatments related to gastrointestinal System: naso-gastric suction, gastric irrigation, gastric analysis 		
XV	5	<ul style="list-style-type: none"> • Explain care of terminally ill patient 	Care Terminally ill Patient <ul style="list-style-type: none"> ❑ Concepts of Loss, grief, grieving Process ❑ Signs of clinical death ❑ Care of dying patient: special considerations <ul style="list-style-type: none"> - Advance directives: euthanasia, will, dying declaration, organ donation etc. ❑ Medico-legal issues ❑ Care of dead body: equipment, procedure and care of unit ❑ Autopsy ❑ Embalming 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion /Role play • Practices session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type
XVI	6	<ul style="list-style-type: none"> • Explain the basic concepts of conceptual and theoretical models of nursing 	Professional Nursing concepts and practices <ul style="list-style-type: none"> • Conceptual and theoretical models of nursing practice: Introduction to model- Holistic model, 	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Essay types • Short answers

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Methods
			heath belief model, health promotion model etc. <ul style="list-style-type: none"> • Introduction to Theories in Nursing; Peplau's, Henderson's Orem's, Neuman's, Roger's and Roy's Linking theories with nursing process		

Nursing Foundations –Practical

Placement: First Year

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

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

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

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

Areas	Time (Hrs.)	Objectives	Skills	Assignments	Assessment methods
			<p>Use comfort devices</p> <p>Hygienic care:</p> <ul style="list-style-type: none"> • Oral hygiene: • Baths and care of pressure points • Hair wash, Pediculosis treatment <p>Feeding:</p> <ul style="list-style-type: none"> • Oral, Enteral, Naso/Orogastric, gastrostomy and parenteral feeding • Naso-gastric insertion, suction, and irrigation <p>Assisting patient in urinary elimination</p> <ul style="list-style-type: none"> • Provides urinal/bed pan • Condom drainage • Perineal care • Catheterization • Care of urinary drainage <p>Bladder irrigation</p> <p>Assisting bowel Elimination:</p> <ul style="list-style-type: none"> • Insertion of Flatus tube • Enemas • Insertion of Suppository <p>Bowel wash</p> <p>Body Alignment and Mobility:</p> <ul style="list-style-type: none"> □ Range of motion exercises □ Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position □ Assist patients in Moving, lifting, transferring, walking □ Restraints <p>Oxygen administration</p> <p>Suctioning: Oropharyngeal, nasopharyngeal</p> <p>Chest physiotherapy and postural drainage</p> <p>Care of Chest drainage</p> <p>CPR – Basic life support</p> <p>Intravenous therapy</p>		

Areas	Time (Hrs.)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> • Perform infection control procedures 	<p>Blood and blood component therapy</p> <p>Collect/assist for collection of specimens for investigations: Urine, sputum, faeces, Vomitus, blood and other body fluids</p> <p>Perform lab tests:</p> <ul style="list-style-type: none"> • Urine: sugar, albumin, acetone • Blood: sugar (with strip/gluco-meter) <p>Hot and cold application: Local and general sitz bath</p> <p>Communicating and assisting with self-care of visually & hearing impaired Patients</p> <p>Communicating and assisting with self-care of mentally challenged/disturbed 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) <p>Practice Standard safety precautions (Universal precautions)</p>	<ul style="list-style-type: none"> • Observation study-2 • Department of infection control & CSSD • Visits CSSD write observation report –1 • Collection of samples for culture • Do clinical posting in infection Control department 	<ul style="list-style-type: none"> • Assess observation study with checklist • Evaluate all procedures with checklist

Areas	Time (Hrs.)	Objectives	Skills	Assignments	Assessment methods
	100	<ul style="list-style-type: none"> • Provide care to pre and post operative patients • Perform procedures for care of wounds • Administer drugs 	<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 <p>Care of articles</p> <p>Pre and post operative care:</p> <ul style="list-style-type: none"> • Skin preparations for surgery: Local • Preparation of post operative unit • Pre & post operative teaching and counseling • Pre and post operative monitoring • Care of the wound: • Dressings, suture Care, care of Drainage, Application of Bandages, Binders, Splints & Slings • Bandaging of various body parts <p>Administration of medications</p> <ul style="list-style-type: none"> • Administer Medications in different forms and routes • Oral, Sublingual and Buccal • Parenteral: Intradermal, subcutaneous, Intramuscular etc. • Assist with Intra Venous medications • Drug measurements and dose calculations • Preparation of lotions and solution • Administers topical applications • Insertion of drug into body cavity: 	<p>and write report</p> <ul style="list-style-type: none"> • Practice in lab/ward 	

Areas	Time (Hrs.)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> • Provide care to dying and dead • Counsel and support relatives 	<p>Suppository & medicated packing etc.</p> <ul style="list-style-type: none"> • Instillation of medicines and spray into Ear, Eye, Nose and throat • Irrigations: Eye, Ear, Bladder, Vagina and Rectum • Inhalations: dry and moist <p>Care of dying patient</p> <ul style="list-style-type: none"> • Caring and packing of dead body • Counseling and supporting grieving relatives • Terminal care of the unit 		

Psychology

Placement: First year

Time: Theory - 60 hrs.

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

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

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			Relationship with language and communication <ul style="list-style-type: none"> • Intelligence: Meaning, classification, uses, theories • Aptitude: Concept, types Individual differences and variability • Psychometric assessment of cognitive processes • Alterations in cognitive processes • Applications 		
IV	8	<ul style="list-style-type: none"> • Describe motivation, emotions, stress, attitudes and their influence on behaviour 	Motivation and Emotional Processes <ul style="list-style-type: none"> • Motivation: Meaning, concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution • Emotions & stress <ul style="list-style-type: none"> □ Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness □ Stress: stressors, cycle, effect, adaptation & coping • Attitude: Meaning, nature, development, factors affecting, <ul style="list-style-type: none"> □ Behaviour and attitudes □ Attitudinal change • Psychometric assessments of emotions and attitudes • Alterations in emotions • Application 	<ul style="list-style-type: none"> • Lecture • Discussion • Role plays • Case Discussion • Demonstraion 	<ul style="list-style-type: none"> • Essay type • Short answers
V	7	<ul style="list-style-type: none"> • Explain the concepts of personality and its influence on behavior 	Personality <ul style="list-style-type: none"> • Definitions, topography, types, theories • Psychometric assessments of personality • Alterations in personality • Applications 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers
VI	7	<ul style="list-style-type: none"> • Describe psychology of people during the life cycle 	Development Psychology <ul style="list-style-type: none"> • Psychology of people at different ages from infancy to old age • Psychology of vulnerable 	<ul style="list-style-type: none"> • Lecture • Discussion • Case Discussion 	<ul style="list-style-type: none"> • Essay type • Short answers

Unit	Time (Hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment method
			<p>individuals – challenged, women, sick, etc.</p> <ul style="list-style-type: none"> • Psychology of groups 		
VII	8	<ul style="list-style-type: none"> • Describe the characteristics of • Mentally healthy person • Explain ego defense mechanisms 	<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 • Short answers
VIII	4	<ul style="list-style-type: none"> • Explain the psychology assessments and role of nurse 	<p>Psychological assessment & tests</p> <ul style="list-style-type: none"> • Types, development, Characteristics, Principles, Uses, Interpretations and role of nurse in psychological assessment 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Practice sessions 	<ul style="list-style-type: none"> • Assessment of practice

Microbiology

Placements: First year

Time: Theory - 60 hrs. (Theory 45+15 lab)

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

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

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

Introduction to Computers

Placements: First year

Time: Theory – 45 Hrs.

Course Description: This course is designed for students to develop basic understanding of uses of computer and its applications in nursing.

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

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

Sociology

Placement: Second Year

Time: Theory 60 hrs.

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

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	1	<ul style="list-style-type: none"> State the importance of sociology in Nursing 	Introduction <ul style="list-style-type: none"> Definition of Sociology Nature and Scope of the discipline Importance and application of Sociology in Nursing 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
II	3	<ul style="list-style-type: none"> Describe the inter relationship of individual in society and community 	Individual & Society <ul style="list-style-type: none"> Society and Community Nature of Society Difference between Society and community Process of Socialization and individualization 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
III	3	<ul style="list-style-type: none"> Describe the influence of culture and on health and disease 	Culture <ul style="list-style-type: none"> Nature of culture Evolution of culture Diversity and uniformity of Culture Culture and socialization Trans cultural society Influence on health and disease 	<ul style="list-style-type: none"> Lecture Discussion Panel Discussion 	<ul style="list-style-type: none"> Essay type Short answers
IV	4	<ul style="list-style-type: none"> Identify various social groups and their interactions 	Social groups and Processes <ul style="list-style-type: none"> The meaning and classification of groups Primary & Secondary Group In-group V/S. out-group, class Tribe, Caste Economic, political, Religious groups, Mob, Crowd public and Audience Interaction & Social Processes Co-operation, Competition, Conflict Accommodation, Assimilation & Isolation 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Essay type Short answers
V	6	<ul style="list-style-type: none"> Explain the growth of population in 	Population <ul style="list-style-type: none"> Society and population Population distribution in India Demographic characteristics 	<ul style="list-style-type: none"> Lecture Discussion Community Identification 	<ul style="list-style-type: none"> Essay type Short answers

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		India and its impact on health	<ul style="list-style-type: none"> • Malthusian theory of Populations • Populations explosion in India and its impact on health status • Family welfare programmes 		<ul style="list-style-type: none"> • Assessment of report on community identification
VI	5	<ul style="list-style-type: none"> • Describe the institutions of family and marriage in India 	Family and Marriage <ul style="list-style-type: none"> • Family – functions • Types –joint, Nuclear, Blended and extended family: Characteristics • The modern family- changes Problems- Dowry etc. Welfare Services. • Changes & legislations on family and marriage in India – marriage acts. • Marriage: Forms and functions of marriage, • Marriage and family problems in India • Family, marriage and their influence on health and health practices 	<ul style="list-style-type: none"> • Lecture Discussion • Family Case study 	<ul style="list-style-type: none"> • Essay type • Short Answers • Assessment of family case study
VII	7	<ul style="list-style-type: none"> • Describe the class and caste system and their influence on health and health practices 	Social Stratification <ul style="list-style-type: none"> • Meaning & types of social stratification • The Indian Caste System- origin & features • Features of Caste in India Today • Social Class system and status • Social Mobility-Meaning & types • Race as a biological concept, criteria of racial classification • Salient features of Primary races racism • Influence of Class, Caste and Race on health and health practices. 	<ul style="list-style-type: none"> • Lecture Discussion • Community survey 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of report on community survey
VIII	6	<ul style="list-style-type: none"> • Describe the communities in India, their Practices and 	Types of Communities in India (Rural, Urban and Regional)	<ul style="list-style-type: none"> • Lecture Discussion • Visits of rural and urban 	<ul style="list-style-type: none"> • Essay type • Short Answers

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		the impact on health	<ul style="list-style-type: none"> • Features of village community & characteristics of Indian Villages-panchayat Systems, social dynamics • Community Development project & planning • Change in Indian Rural Life • Availability of health facilities in rural and its impact on health and health practices • Urban –Community – features • The growth of cities: Urbanization and its impact on health and health practices • Major Urban problems – Urban Slums • Region: Problems and impact on Health 	<ul style="list-style-type: none"> • community survey 	<ul style="list-style-type: none"> • Assessment of report on community survey
IX	4	<ul style="list-style-type: none"> • Explain the process of Social Change 	<p>Social Change</p> <ul style="list-style-type: none"> • Nature and process of Social Change • Factors influencing Social change: cultural change, Cultural lag. • Introduction to theories of social change: Linear, Cyclical, Marxian, Functional <p>Role of nurse-Change agents</p>	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Essay type • Short Answers
X	4	<ul style="list-style-type: none"> • Describe the Social system and inter-relationship of social organizations 	<p>Social organization and social system</p> <ul style="list-style-type: none"> • Social organization: elements, types • Democratic and authoritarian modes of Participation, • Voluntary associations • Social system: Definition and Types of social system • Role and status as structural elements of social system • Inter- relationship of institutions 	<ul style="list-style-type: none"> • Lecture • Discussion • Observation visits 	<ul style="list-style-type: none"> • Essay type • Short Answers • Assessment of visit reports
XI	2	<ul style="list-style-type: none"> • Explain the nature and process of 	<p>Social Control</p> <ul style="list-style-type: none"> • Nature and process of social control 	<ul style="list-style-type: none"> • Lecture • Discussion 	<ul style="list-style-type: none"> • Essay type • Short Answers

Unit	Time (hrs.)	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		social control	<ul style="list-style-type: none"> Political, Legal, Religious, Educational ,Economic, Industrial and Technological systems, Norms & Values-folkways & Mores Customs, Laws and fashion Role of nurse 	<ul style="list-style-type: none"> Community survey 	<ul style="list-style-type: none"> Assessment of report on community survey
XII	15	<ul style="list-style-type: none"> Describe the role of the nurse in dealing with social Problem in India 	<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, other marginalized groups and child labour, child abuse, delinquency and crime substance abuse, HIV/AIDS. Social Welfare programmes in India <p>Role of nurse</p>	<ul style="list-style-type: none"> Lecture Discussion Institutional Visits 	<ul style="list-style-type: none"> Essay type Short Answers Assessment of visit reports

Pharmacology

Placement: Second Year

Time: Theory –45 Hours

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	3	<ul style="list-style-type: none"> Describe Pharmacodynamics, Pharmacokinetics classification and the principles of drug administration 	Introduction to pharmacology <ul style="list-style-type: none"> Definitions Sources Terminology used Types: Classification Pharmacodynamics: Actions, therapeutic, Adverse, toxic Pharmacokinetics: absorption distribution, metabolism, interaction, excretion Review: Routes and principles of administration of drugs Indian pharmacopoeia: Legal issues Rational use of drugs Principles of therapeutics 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective types
II	6	<ul style="list-style-type: none"> Explain chemotherapy of specific infections and infestations and nurse's responsibilities 	Chemotherapy <ul style="list-style-type: none"> Pharmacology of commonly used; <ul style="list-style-type: none"> Penicillin Cephalosporins Amino-glycosides Macrolide & Broad spectrum Antibiotics Sulfonamides Quinolones Antiamoebic Antimalarials Anthelminitics Antiscabies agents Antiviral & anti-fungal agents Antitubercular drugs Anti leprosy drugs Anticancer drugs Immuno-suppressants Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity role of nurse 	<ul style="list-style-type: none"> Lecture Discussion Drug Study/ presentation 	<ul style="list-style-type: none"> Short answers Objective type

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

			Composition, action, dosage, route, indications,		
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Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
VII	4	<ul style="list-style-type: none"> Describe Drugs used in de-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immunosuppression and nurse's responsibilities 	Miscellaneous <ul style="list-style-type: none"> Drug used in de-addiction Drugs used in CPR and emergency Vitamins and minerals Immunosuppressants Antidotes Antivenom Vaccines and sera 	<ul style="list-style-type: none"> Lecture Discussion Drug Study/presentation 	<ul style="list-style-type: none"> Short answers Objective type
VIII	1	<ul style="list-style-type: none"> Describe Drugs used on skin and mucous membranes and nurse's responsibilities 	Drugs used on skin and mucous membranes <ul style="list-style-type: none"> Topical applications for skin, eye, ear, nose and buccal cavity antipruritics Composition, action dosage, route indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	<ul style="list-style-type: none"> Lecture Discussion Drug study/presentation 	<ul style="list-style-type: none"> Short answers Objective type
IX	8	<ul style="list-style-type: none"> Describe Drugs used on Nervous Systems and nurse's responsibilities 	Drugs acting on Nervous Systems <ul style="list-style-type: none"> Basic & applied pharmacology of commonly used: <ul style="list-style-type: none"> Analgesics and Anesthetics <ul style="list-style-type: none"> Analgesics <ul style="list-style-type: none"> Non steroidal anti-inflammatory (NSAID) drugs Antipyretics Hypnotics and Sedatives <ul style="list-style-type: none"> Opioids Non-Opioids Tranquilizers General & local anesthetics Gases: oxygen, nitrous-oxide, carbon – dioxide Cholinergic and anti-Cholinergic: <ul style="list-style-type: none"> Muscle Relaxants 	<ul style="list-style-type: none"> Lecture Discussion Drug study/presentation 	<ul style="list-style-type: none"> Short answers Objective types

Unit	Time hrs	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> ❑ Major Tranquilizers ❑ Anti-psychotics ❑ Antidepressants ❑ Adrenergics ❑ Noradrenergics ❑ Mood stabilizers ❑ Acetylcholine ❑ Stimulants <ul style="list-style-type: none"> • Composition, action dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse 		
X	5	<ul style="list-style-type: none"> • Describe Drugs used on Cardiovascular System and nurse's responsibilities 	<p>Cardiovascular drugs</p> <ul style="list-style-type: none"> • Haematinics • Cardiotonics, • Anti-hypertensives & Vasodilators • Anti-arrhythmics • Plasma Expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics <p>Composition action, dosage, route, indications, contraindications, drug interactions, side effects, Adverse effects, toxicity and role of nurse</p>	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study/presentation 	<ul style="list-style-type: none"> • Short answers • Objective type
XI	4	<ul style="list-style-type: none"> • Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities 	<p>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</p> <ul style="list-style-type: none"> • Insulin's & Oral hypoglycemic • Thyroid supplements and suppressants • Steroids, anabolic • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progesterone preparations • Corticotrophine & Gondotropines • Adrenaline • Prostaglandins • Calcitonins • Calcium salts • Calcium regulators <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse.</p>	<ul style="list-style-type: none"> • Lecture • Discussion • Drug study/presentation 	<ul style="list-style-type: none"> • Short answers • Objective types

Unit	Time hrs	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
XII	6	<ul style="list-style-type: none"> • Demonstrate awareness of the common drugs used in alternative system of medicine 	Introduction to Drugs used in alternative systems of medicine: Ayurveda, Homeopathy, Unani and Siddha etc.	<ul style="list-style-type: none"> • Lecture • Discussion • Observational Visits 	<ul style="list-style-type: none"> • Short answers • Objective type

Pathology And Genetic

Section A- Pathology

Placement: Second Year

Time: Theory –30 hours

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

Unit	Time Hrs		Objectives	Content	Teaching learning Activities	Assessment methods
	Th.	Pr.				
I	3		<ul style="list-style-type: none"> Define the common terms used in pathology, Appreciate the deviations from normal to abnormal structure and functions of the body systems 	<ul style="list-style-type: none"> Introduction <ul style="list-style-type: none"> Importance of the study of pathology Definition of terms Methods and techniques Cellular and tissue changes Infiltration and regeneration Inflammations and Infections Wound healing Vascular changes Cellular growth, Neoplasms <ul style="list-style-type: none"> Normal and Cancer cell Benign and Malignant growths In situ carcinoma Disturbances of fluid and electrolyte imbalance 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts 	<ul style="list-style-type: none"> Short answers Objective type
II	10	5	Explain pathological changes in disease conditions of various systems	Special pathology <ul style="list-style-type: none"> Pathological changes in disease conditions of various systems: Respiratory tract <ul style="list-style-type: none"> Tuberculosis, Bronchitis, Pleural effusion and pneumonia Lung abscess, emphysema, bronchiectasis Bronchial asthma, Chronic obstructive Pulmonary disease & tumors Cardio-vascular system <ul style="list-style-type: none"> Pericardial effusion Rheumatic heart disease Infective endocarditis, atherosclerosis Ischemia, infarction & aneurysm Gastro Intestinal Tract <ul style="list-style-type: none"> Peptic ulcer, typhoid, 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides, specimen, X- rays and Scans Visit to Pathology lab, endoscopy unit and OT 	<ul style="list-style-type: none"> Short answers Objective types

Unit	Time Hrs		Objectives	Content	Teaching learning Activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> □ Carcinoma of GI Tract- buccal, Esophageal □ Gastric & Intestinal • Liver, Gall bladder & pancreas <ul style="list-style-type: none"> □ Hepatitis, chronic liver abscess, cirrhosis □ Tumours of liver, gall bladder and pancreas, □ Cholecystitis • Kidneys & Urinary tract <ul style="list-style-type: none"> □ Glomerulonephritis, Pyelonephritis □ Calculi, renal failure, renal carcinoma & cystitis • Male genital system <ul style="list-style-type: none"> □ Cryptorchidism testicular atrophy □ Prostatic hyperplasia, carcinoma penis & prostate • Female genital system <ul style="list-style-type: none"> □ Fibroids □ Carcinoma cervix and Endometrium □ Vesicular mole, choriocarcinoma □ Ectopic gestation □ Ovarian cyst & Tumours • Cancer Breast • Central Nervous system <ul style="list-style-type: none"> □ Hydrocephalus, meningitis, encephalitis, □ Vascular disorders- thrombosis, embolism □ Stroke, paraplegia, quadriplegia □ Tumours, meningiomas- gliomas • Metastatic Tumours • Skeletal system <ul style="list-style-type: none"> □ Bone healing, Osteoporosis, osteomyelitis □ Arthritis & Tumours 		
III	4	3	<ul style="list-style-type: none"> • Describe various laboratory test in 	Clinical Pathology <ul style="list-style-type: none"> • Various blood and bone marrow tests in assessment and monitoring of disease 	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> • Short answers

Unit	Time Hrs		Objectives	Content	Teaching learning Activities	Assessment methods
	Th.	Pr.				
			assessment and monitoring of disease conditions	conditions <ul style="list-style-type: none"> ❑ Hemoglobin ❑ RBC, White cell & platelet counts ❑ Bleeding time, clotting time and prothrombine time ❑ Blood grouping and cross matching ❑ Blood chemistry ❑ Blood culture ❑ Serological and immunological tests ❑ Other blood tests ❑ Examination of Bone marrow ❑ Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	<ul style="list-style-type: none"> • Demonstration • Visit to Clinical pathology & Bio-Chemistry lab and Blood bank 	<ul style="list-style-type: none"> • Objective type
IV	2	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of body cavity fluids transudates and exudates 	Examination of body cavity fluids, transudates and exudates <ul style="list-style-type: none"> • The laboratories test 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 test, inference and normal values 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type
V	1	1	<ul style="list-style-type: none"> • Describe the laboratory tests for examination of urine and 	Urine and Faeces <ul style="list-style-type: none"> • Urine <ul style="list-style-type: none"> ❑ Physical characteristics ❑ Analysis ❑ Culture and sensitivity 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> • Short answers • Objective type

Unit	Time Hrs		Objectives	Content	Teaching learning Activities	Assessment methods
	Th.	Pr.				
			Faeces	<ul style="list-style-type: none"> • 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 		

Section- B Genetics

Placement: Second Year

Time: theory –15 hours

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	3	<ul style="list-style-type: none"> Explain nature, principles and perspectives of heredity 	<p>Introduction:</p> <ul style="list-style-type: none"> Practical application of genetics in nursing Impact of genetic condition on families Review of cellular division mitosis and meiosis. Characteristics and structure of genes Chromosomes –sex determination Chromosomal aberrations patterns of inheritance <ul style="list-style-type: none"> Mendelian theory of inheritance Multiple allots and blood groups Sex linked inheritance Mechanism of inheritance Errors in transmission (Mutation) 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective types
II	3	<ul style="list-style-type: none"> Explain Maternal prenatal and genetic influences on development of defects and diseases 	<p>Maternal, prenatal and genetic influences on development of defects and diseases</p> <ul style="list-style-type: none"> Conditions affecting the mother: genetic and infections Consanguinity atopy Prenatal nutrition and food allergies. Maternal Age Maternal drug therapy Prenatal testing and diagnosis Effect of Radiation, drugs and chemicals Infertility Spontaneous abortion Neural Tube Defects and the role of folic acid in lowering the risks Down syndrome (Trisomy 21) 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective type
III	2	<ul style="list-style-type: none"> Explain the screening methods for 	<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 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, slides 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		genetic defects and diseases in neonates and children	<ul style="list-style-type: none"> ❑ Developmental delay ❑ Dysmorphism 		
IV	2	<ul style="list-style-type: none"> • Identify genetic disorders in adolescents and adults 	<p>Genetic conditions of adolescents and adults</p> <ul style="list-style-type: none"> • Cancer genetics – familial Cancer • Inborn errors of metabolism • Blood group alleles and haematological disorder • Genetic haemochromatosis • Huntington’s disease • Mental illness 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	<ul style="list-style-type: none"> • Short answers • Objective type
V	5	<ul style="list-style-type: none"> • Describe the role of nurse in genetic services and Counselling 	<p>Services related to Genetics</p> <ul style="list-style-type: none"> • Genetic testing • Human genome project • Gene Therapy • The Eugenics movement • Genetic Counselling <p>Legal and Ethical issues Role of nurse</p>	<ul style="list-style-type: none"> • Lecture Discussion 	<ul style="list-style-type: none"> • Short answers • Objective type

Medical Surgical Nursing (Adult Including Geriatrics) - I

Placement: Second Year

Time: Theory – 210 hours
Practical – 720 hours

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	15	<ul style="list-style-type: none"> Appreciate the trends in medical and surgical nursing Describe the role of a nurse in caring for adult patient in hospital and community Describe the concepts of Medical Surgical asepsis 	<p>Introduction:</p> <ul style="list-style-type: none"> Introduction to medical surgical nursing – Evolution and trends of medical and surgical nursing Review of Concepts of Health and illness. Disease-concepts, causations, classification- International Classification Diseases (ICD-10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness Review of concepts of comprehensive nursing care in medical surgical nursing process. Role of Nurse, patient and family in care of adult patient Role and responsibilities of a nurse in medical surgical settings: <ul style="list-style-type: none"> Outpatient department In-patient unit Intensive care unit Home and Community settings Introduction to Medical Surgical asepsis <ul style="list-style-type: none"> Inflammation and Infection Immunity Wound healing Care of Surgical patient <ul style="list-style-type: none"> Pre-operative Intra Operative Post Operative 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice session Supervised clinical practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with check list
II	15	<ul style="list-style-type: none"> Describe the common sings, symptoms, 	<p>Common sings and symptoms and management</p> <ul style="list-style-type: none"> Fluid and electrolyte imbalance Vomiting 	<ul style="list-style-type: none"> Lecture Discussion Seminar 	<ul style="list-style-type: none"> Short answers Objective

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		problems and their Specific nursing interventions	<ul style="list-style-type: none"> • Dyspnea and cough, respiratory obstruction • Fever • Shock • Unconsciousness, Syncope • Pain • Incontinence • Edema • Age related problem – geriatrics 	<ul style="list-style-type: none"> • Case discussion 	type
III	20	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems 	<p>Nursing management of patients (adults including elderly) with respiratory problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of respiratory system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, Clinical manifestations diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with- <ul style="list-style-type: none"> □ Upper Respiratory tract infections □ Bronchitis □ Asthma □ Emphysema □ 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"> • Lecture discussion • Explain using Charts, graphs • Models. Films, slides • Demonstration • Practice session • Cases discussion /Seminar • Health education • Supervised Clinical practices • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
VI	30	<ul style="list-style-type: none"> • Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of Patients (adults including elderly) with disorders of digestive system 	<p>Nursing management of patients (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, patho physiology, clinical manifestations, Diagnosis, treatment modalities & 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 and 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 □ Anal & Rectum; hemorrhoids, fissures, Fistulas □ Peritonitis / acute abdomen □ Pancreas-inflammation. Cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours □ Liver-inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours □ Gall bladder- inflammation, obstructions 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Cases discussion /Seminar • Health education • Supervised Clinical practices • Drug book /presentation • 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			stones and tumours, Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system		
V	30	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) blood and cardio vascular problem Describes the vascular conditions and its nursing management 	<p>Nursing management of patients (adults including elderly) with blood and cardio vascular problem</p> <ul style="list-style-type: none"> Review of anatomy and physiology of digestive system Nursing Assessment- History and physical assessment Etiology, pathophysiology, Diagnosis, treatment modalities & nursing management Vascular system Hypertension, Hypo tension Arteriosclerosis Raynaud's disease Aneurisms and Peripheral vascular disorders <p>Heart</p> <ul style="list-style-type: none"> Coronary artery diseases <ul style="list-style-type: none"> Ischaemic Heart Diseases 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 Cor pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade. <ul style="list-style-type: none"> Cardiac emergencies and arrest Cardiac Pulmonary resuscitation (CPR) Blood <ul style="list-style-type: none"> Anaemias Polycythemia 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Cases discussion /Seminar Health education Supervised Clinical practices Drug book /presentation Visit to blood bank Participation in blood donation camps Counselling 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> ❑ Bleeding disorders; clotting factor defects and platelets defects ❑ Thalassemia ❑ Leukaemias ❑ Leukopenias and agranulocytosis ❑ Lymphomas ❑ Myelomas • Special therapies <ul style="list-style-type: none"> ❑ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. ❑ Management and Counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion ❑ Role of a nurse in Organ donation, retrieval and banking <p>Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders</p>		
VI	10	Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<p>Nursing management of patient (adults including elderly) with genito-urinary problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of genito-urinary system • Nursing Assessment –History and Physical assessment Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics & nursing management of – <ul style="list-style-type: none"> • Nephritis • Nephrotic syndrome • Nephrosis • Renal calculus • Tumours 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration Practice session • Cases discussion /Seminar • Health education • Supervised Clinical practices 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> • Acute renal failure • Chronic renal failure • End stage renal disease. • . • Dialysis, renal transplant • Congenital disorders, urinary infection • Benign prostate hypertrophy. • Disorder of ureters, urinary bladder and urethra-inflammation, infection, stricture, obstruction, tumour, prostrate <p>Special therapies, alternative therapies. Nursing procedures. Drugs used in treatment of genito-urinary disorders</p>	<ul style="list-style-type: none"> • Drug book /presentation 	
VII	5	<ul style="list-style-type: none"> • Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system 	<p>Nursing management of patient (adults including elderly) with reproductive system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of male reproductive system • Nursing Assessment –History and physical assessment • Etiology, Pathophysiology, clinical manifestations diagnosis, treatment modalities, and medical, surgical, dietetics & nursing managements of disorders of male reproductive system • Congenital malformations; Cryptorchidism • Hypospadiasis, Epispadiasis • Infections • Testis and adjacent structures • Penis • Prostate: inflammation, infection, hypertrophy, tumour • Sexual Dysfunction • Infertility • Contraception • Breast; gynecomastia, tumour • Climacteric changes Special therapies, alternative therapies, <p>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 Practice session • Cases discussion /Seminar • Health education • Supervised Clinical practices • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			treatment of disorders of Intergumentary system		
X	15	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Musculoskeletal system 	<p>Nursing management of patient (adults including elderly) with Musculoskeletal system Systems</p> <ul style="list-style-type: none"> Review of anatomy and physiology of musculoskeletal system. Nursing Assessment –History and physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities, and medical, surgical, dietetics & nursing managements of Disorders of: <ul style="list-style-type: none"> Muscles, Ligaments and Joints- infection, inflammation, trauma Bones-inflammation, infection, dislocation, fracture, tumour and trauma Osteomalacia and osteoporosis Arthritis Congenital deformities Spinal column- defects and deformities, tumor, prolapsed inter vertebral disc, pott's spine Paget's disease Amputation Prosthesis Transplant & replacement surgeries Rehabilitation. <p>Special therapies, therapies, alternative therapies</p> <p>Nursing procedures, drugs used in treatment of disorders of musculoskeletal system</p>	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Cases discussion /Seminar Health education Supervised clinical practices Drug book /presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
XI	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of 	<p>Nursing management of patient (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> Review of immune system Nursing Assessment –History and physical assessment 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		patients (adults including elderly) with Immunological systems	<ul style="list-style-type: none"> Etiology, Patho physiology, clinical manifestations diagnosis, treatment modalities, and medical, surgical, dietetics & nursing managements of – Immunodeficiency disorder Primary Immuno deficiency Phagocytic dysfunction B- cell and T- cell deficiencies Secondary immunodeficiency Acquired immunodeficiency syndrome (AIDS) Incidence of HIV & AIDS Epidemiology Transmission-Prevention of Transmission Standard Safety precautions Role of Nurse; Counseling Health education and home care consideration. National AIDS Control program – NACO, various national and international agencies Infection control program Rehabilitation. <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system</p>	<ul style="list-style-type: none"> Cases discussion /Seminar Health education Supervised Clinical practices Drug book /presentation Orientation visit to Hospital 	<ul style="list-style-type: none"> Assessment of patient management problem
XII	20	<ul style="list-style-type: none"> Describe the etiology, patho physiology clinical manifestations diagnostic measures and management of patients (adults including elderly) with Communicable Diseases 	<p>Nursing management of patient (adults including elderly) with Communicable Disease</p> <ul style="list-style-type: none"> Overview of infections disease, the infectious process Nursing Assessment –History and physical assessment Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and diagnosis, Control and eradication of common Communicable Diseases- <ul style="list-style-type: none"> Tuberculosis Diarrhoeal diseases Hepatitis A-E Herpes Chickenpox Smallpox Typhoid Meningitis Gas gangrene 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussion /Seminar Health education Supervised Clinical practices Drug book /presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills With check list Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> <input type="checkbox"/> Leprosy <input type="checkbox"/> Dengue <input type="checkbox"/> Plague <input type="checkbox"/> Malaria <input type="checkbox"/> Diphtheria <input type="checkbox"/> Pertussis <input type="checkbox"/> Poliomyelitis <input type="checkbox"/> Measles <input type="checkbox"/> Mumps <input type="checkbox"/> Influenza <input type="checkbox"/> Yellow fever <input type="checkbox"/> Filariasis <input type="checkbox"/> HIV, AIDS • Reproductive Tract Infections • Special Infection Control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals <p>Special therapies, alternative therapies</p> <p>Nursing Procedures Drugs used treatment of Communicable diseases</p>		
XIII	25	<ul style="list-style-type: none"> • Describe the Origination and Physical set up of operation theater • Identify the various instruments and equipments used for used for common surgical procedures • Describe the infection control measures in the Operation theatre Describe the role of the nurse in the peri Operative nursing care 	<p>Peri-operative nursing:</p> <ul style="list-style-type: none"> • Organization and Physical set up of the Operation Theatre (OT): • Classifications <ul style="list-style-type: none"> <input type="checkbox"/> O.T. DESIGN <input type="checkbox"/> Staffing <input type="checkbox"/> Member of the OT term <input type="checkbox"/> Duties and responsibilities of nurse in O.T. <input type="checkbox"/> Principles of Health and operating room attire. <input type="checkbox"/> Instruments, <input type="checkbox"/> Sutures and suture materials <input type="checkbox"/> Equipments <input type="checkbox"/> O.T. tables and sets for common surgical procedures <input type="checkbox"/> Scrubbing procedures <input type="checkbox"/> Gowning and gloving <input type="checkbox"/> Preparation of O.T. sets. • Maintenance of therapeutic environment in O.T. • Standard Safety measures <ul style="list-style-type: none"> <input type="checkbox"/> Infection control; fumigation, disinfection 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Supervised • Clinical practices • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> and sterilisation ❑ Biomedical waste management ❑ Prevention of accidents and hazards in O.T. • Anaesthesia <ul style="list-style-type: none"> ❑ Types ❑ Methods administration ❑ Effects and stages ❑ Equipments ❑ Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects 		

Medical Surgical Nursing (Adult Including Geriatrics) –I Practical

Placement: Second Year

Time: 720 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (*Respiratory, GI, Endocrine, Renal, Hematology)	6	<ul style="list-style-type: none"> • Provide nursing care to adult patients with medical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of the patient <ul style="list-style-type: none"> □ Taking history □ Perform general and specific physical examination □ Identify alterations and deviations • Practice medical surgical asepsis- Standard safety measures • Administer medications <ul style="list-style-type: none"> □ Oral, IV, IM, subcutaneous • IV therapy <ul style="list-style-type: none"> □ IV Canulation □ Maintenance and monitoring • Oxygen therapy by different methods. • Nebulization • Chest physio therapy • Naso gastric feeding • Assist in common diagnostic • Perform/ Assist in the rape procedures • Blood and component therapy • Throat Suctioning • Collect specimens for common investigations • Maintain elimination <ul style="list-style-type: none"> □ Catheterisation □ Bowel wash □ Enema □ Urinary drainage • Maintain intake output & documentation • Counsel & Teach related to specific disease condition 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan-2. • Nursing case study/ presentation-1. • Drug presentation-1. • Maintain Practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale. • Assess each skill with checklist. • Evolution of case study /presentation . • Completion of practical record.

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
General Surgical Ward (GI, Urinary CTVS)	6	<ul style="list-style-type: none"> • Provide pre and post operative nursing care to adult patients with surgical disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Practical medical surgical asepsis-Standard safety measures • Pre operative preparation of patients • Post operative care- Receiving pt, assessment, monitoring care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care; <ul style="list-style-type: none"> □ Gastrostomy □ Colostomy □ Enterostomy □ Blood and component therapy □ Practice universal Precautions 	<ul style="list-style-type: none"> • Plan and give care to 3-4 assigned patients • Nursing care plan-2. • Nursing case study/ presentation-1 • Maintain Drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale. • Assess each skill with checklist. • Evaluation of case study /presentation • Completion of Activity record.
Cardiology ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate Patients and families 	<ul style="list-style-type: none"> • Physical examination of the cardio vascular system • Recording and interpreting ECG • Monitoring of patients • Preparation and assisting in non-invasive 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"> • Plan and give care to 2-3 assigned patients • Nursing care plan-I. • Nursing case study/ presentation/ • Health talk-I. • Maintain Drug book. 	<ul style="list-style-type: none"> • Assess performance with rating scale. • Assess each skill with checklist. • Evolution of case study / presentation/ health talk • Completion of Activity record
Skin & Communicable diseases ward	1	<ul style="list-style-type: none"> • Identify skin problem • Provide nursing care to patients with Skin disorders & Communicable diseases • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of patients with skin disorders • Assist in diagnostic and therapeutic procedures • Administer topical medication • Practice medical surgical asepsis- Standard safety measures • Use of personal protective equipment (PPE) • Give Medicated baths • Counseling HIV positive patients • Teach Prevention of infectious diseases 	<ul style="list-style-type: none"> • Plan and give care to 2-3 assigned patients • Health talk/Counseling HIV positive Families –I • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale. • Evaluation of health talk / Counseling session • Completion of Activity record.

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Orthopaedic Ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with Musculo-skeletal disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Assessment of 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 exercise (ROM), muscle strengthening exercises • Crutch maneuvering technique. • Activities of daily living • Ambulation • Teach and counsel patients and families 	<ul style="list-style-type: none"> • Plan and give care to 2-3 assigned patients • Nursing care plan-I. • Nursing case study/ presentation-I • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of Nursing Case plan and Nursing case study / Presentation • Completion of Activity record.
Operation Theatre	6	<ul style="list-style-type: none"> • Identify instruments used in common operations • Participate in Infection control practices in the Operation Theatre • Set- up the table/ trolleys for common operative procedures. • Assist in giving anesthesia • Assist in the operative procedures • Provide peri operative nursing care 	<ul style="list-style-type: none"> • Scrubbing, gowning, gloving • Identify instruments, suturing materials for common operations • Disinfection, Carbonization, fumigation. • Preparation of instrument sets for common operations • Sterilization of sharps and other instruments • Prepare the OT table depending upon the operation. • Positioning and monitoring of patients. • Endotracheal Intubations • Assisting in minor and major operations. • Handling specimens. • Disposal of waste as per the guidelines 	<ul style="list-style-type: none"> • Assist as a circulatory nurse in • Major cases-10 • Minor cases-5 • Assist as a scrub nurse in • Major cases-10 • Minor cases-5 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Completion of activity record

INTERNSHIP

Time: 260 hours (9 Weeks)

Areas	Durati-on (in week)	Objectives	Skills	Assignments	Assessment Methods
ICU, CCU, CARDIAC OT.	2	<ul style="list-style-type: none"> To Gain proficiency in ICU nursing Develop advance skill in special procedures used in critical care unit. Identify potential problem and provide accordingly Skill in setting and handling ventilator Administer injection in infusion pump Record accurately findings and medications. Develop IPR with family members. Acquint with OT technique. 	<ul style="list-style-type: none"> Assist in arterial puncture for blood gas analysis Perform ECG and interpret accordingly Conduct and analysis pulse oximetry. Care with artificial airway Assist in endotracheal intubations Setting up Ventilator. Giving care in ventilator Drug sheet, 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 Ambu bag. Assessment for all assigned Patients Nursing care in ventilator Drug sheet 	<ul style="list-style-type: none"> Record book Checking with supervisor
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> Develop skill in neurological assessment Give care to the patient with head injury and spinal injury Care with chest surgery and cranial surgery 	<ul style="list-style-type: none"> Assess neurological status Implement care to head injury, spinal injury Drug sheet Pre and postoperative care with neuro surgery Patients 	<ul style="list-style-type: none"> Assessment for all assigned patients Nursing care plan-2 Drug sheet 	<ul style="list-style-type: none"> Record book Observation check list
Burns and plastic Reconstructive surgery	2	<ul style="list-style-type: none"> Assess the severity of burns Administer rehydration Therapy, Observe reconstructive surgery 	<ul style="list-style-type: none"> Nursing care 		
OT Leptosomic orthopedic Eye ENT	3	<ul style="list-style-type: none"> Identify instruments Assist in OT set UP Supervise sterilization Assist in OT table lay out 		<ul style="list-style-type: none"> Assist –5 cases 	<ul style="list-style-type: none"> Record Book,

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> • Observe immediately after operation • Supervise infection control 			

Community Health Nursing –I

Placement: Second Year

Time: Theory-90hours
Practical –135 hours

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	2	<ul style="list-style-type: none"> Describe concept and dimensions of health 	Introduction <ul style="list-style-type: none"> Community health nursing Definition concept and dimensions of health Promotion of health Maintenance of health 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answers
II	20	<ul style="list-style-type: none"> Describe determinants of health 	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 Status of special groups; Females, children, Elderly, challenged group and sick persons Life Style Hygiene Physical activity <ul style="list-style-type: none"> Recreation and sleep Sexual life 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs Models, films, Slides Visits to water supply, sewage disposal, milk plants slaughter house etc. 	<ul style="list-style-type: none"> Essay type Short answers

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> <input type="checkbox"/> Spiritual life philosophy <input type="checkbox"/> Self reliance <input type="checkbox"/> Dietary pattern <input type="checkbox"/> Education <input type="checkbox"/> Occupation • Financial Management <ul style="list-style-type: none"> <input type="checkbox"/> Income <input type="checkbox"/> Budget <input type="checkbox"/> Purchasing power <input type="checkbox"/> Security 		
III	10	<ul style="list-style-type: none"> • Describe concept, scope, uses methods and approaches of Epidemiology 	Epidemiology <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"> <input type="checkbox"/> Descriptive <input type="checkbox"/> Analytical: Epidemic investigation <input type="checkbox"/> Experimental 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Chart, graphs • Models, films slides 	<ul style="list-style-type: none"> • Essay type • Short answers
IV	25	<ul style="list-style-type: none"> • Describe Epidemiology and nursing management of common Communicable diseases 	Epidemiology and nursing management of common Communicable Diseases <ul style="list-style-type: none"> • Respiratory infections • Small Pox • Chicken Pox • Measles • Influenza • Rubella • ARI & Pneumonia • Mumps • Diphtheria • Whooping cough • Meningococcal meningitis • Tuberculosis • SARS • Intestinal Infections <ul style="list-style-type: none"> <input type="checkbox"/> Poliomyelitis <input type="checkbox"/> Viral Hepatitis <input type="checkbox"/> Cholera <input type="checkbox"/> Diarrhoeal diseases <input type="checkbox"/> Typhoid fever <input type="checkbox"/> Food poisoning <input type="checkbox"/> Amoebiasis <input type="checkbox"/> Hook worm infection <input type="checkbox"/> Ascariasis <input type="checkbox"/> Dracunculiasis 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Chart, graphs • Models, films slides • Seminar • Supervised field practice –Health centers, clinics and homes • Group projects/ Health education 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> • Arthropod infections <ul style="list-style-type: none"> □ Dengue □ Malaria □ Filariasis • Zoonoses Viral <ul style="list-style-type: none"> □ Rabies □ Yellow fever □ Japanese encephalitis □ Kyasnur forest disease • Bacterial <ul style="list-style-type: none"> □ Brucellosis □ Plague □ Human Salmonellosis □ Anthrax □ Leptospirosis • Rickettsial diseases <ul style="list-style-type: none"> □ Rickettsial Zoo noses □ Scrub typhus □ Tick typhus □ Q Fever • Parasitic Zoo noses <ul style="list-style-type: none"> □ Taeniasis □ Hydatid disease □ Leishmaniasis • Surface infection <ul style="list-style-type: none"> □ Tetanus □ Trachoma. □ Leprosy □ STD & RTI □ Yaws □ HIV/AIDS <p>Any other</p>		
V	10	<ul style="list-style-type: none"> • Describe Epidemiology and nursing management of common Non-communicable Diseases 	<p>Epidemiology and Nursing management of Non-Communicable diseases</p> <ul style="list-style-type: none"> • Malnutrition: under nutrition, over nutrition, nutritional deficiencies • Anemia • Hypertension • Stroke • Rheumatic heart Disease • Coronary heart disease. • Cancer • Diabetes mellitus • Blindness • Accidents • Mental illness • Obesity Iodine Deficiency • Fluorosis • Epilepsy 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Chart, graphs • Models, films slides • Seminar • Supervised field practice –Health centers, clinics and homes • Group projects/ Health education 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of Survey report

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
VI	6	<ul style="list-style-type: none"> Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation of demographic data 	Demography <ul style="list-style-type: none"> Definition, concept and scope Methods of collection, analysis and interpretation of demographic data Demographic rates and ratios 	<ul style="list-style-type: none"> Lecture discussion Community identification survey 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of Survey report
VII	17	<ul style="list-style-type: none"> Identify the impact of population explosion in India Describe methods of population control 	Population and its control <ul style="list-style-type: none"> Population explosion and its impact on social, economic development of individual, society and country Population control: <ul style="list-style-type: none"> Overall development: Women empowerment, social, economic and educational development Limiting family size: <ul style="list-style-type: none"> Promotion of small family norm Methods: Spacing (natural, biological, chemical mechanical methods etc), Terminal: Surgical methods Emergency contraception 	<ul style="list-style-type: none"> Lecture discussion Population survey Counseling Demonstration Practice session Supervised field practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of Survey report

Community Health Nursing I-Practical

Placement: Second Year

Time: Practical –135 hours

Areas	Durati on (in week)	Objectives	Skills	Assignments	Assessment Methods
Community health Nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> • Build and Maintain rapport • Identify demographic characteristics, health determinates and community health resources • Diagnose health needs of individual and families • Provide primary care in health Center • Counsel and educate individual, family and community 	<ul style="list-style-type: none"> • Use Techniques of interpersonal relationship • Identification of health determination 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 families each in urban and rural • Family study-1 • Observation report of community –1 • Health talks2 (1in urban and in rural) 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with checklist • Evaluation of family study, observation report and health talk • Completion of activity record.

Communication & Educational Technology

Placement: Second year

Time: Theory-90 Hours

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

Unit	Time Hrs.		Learning Objectives	Content	Teaching learning Activates	Assessment methods
	Th.	Pr.				
I	5		<ul style="list-style-type: none"> Describe the communication on process Identify techniques of effective communication 	Review of Communications Process <ul style="list-style-type: none"> Process; elements and channel Facilitators Barriers and methods of overcoming Techniques 	<ul style="list-style-type: none"> Lecture Discussion Role Plays Exercises with audio/video tapes 	<ul style="list-style-type: none"> Respond to critical incidents Short answers Objective type
II	5		Establish effective inter-personal relations with patient families & co-workers	Interpersonal relations <ul style="list-style-type: none"> Purpose & types Phases Barriers & methods of overcoming Johari Window 	<ul style="list-style-type: none"> Lecture Discussion Role Plays Exercises with audio/video tapes Process recording 	<ul style="list-style-type: none"> Short answers Objective type
III	5		<ul style="list-style-type: none"> Develop effective human relations in context of nursing 	Human relations <ul style="list-style-type: none"> Understanding self Social behavior, motivation, social attitudes Individual and groups Groups & individual Human relations in context of Nursing Group dynamics Team work 	<ul style="list-style-type: none"> Lecture Discussion Sociometry Group games Psychometric Exercises followed by Discussion 	<ul style="list-style-type: none"> Short Answer Objective type Respond to test based on critical incidents
IV	10	5	<ul style="list-style-type: none"> Develop basic skill of Counselling and guidance 	Guidance & Counseling <ul style="list-style-type: none"> Definition Purpose, scope and need Basic principles Organization of Counseling services Types of Counseling approaches Role and preparation of 	<ul style="list-style-type: none"> Lecture Discussion Role play on Counselling in different situations followed by discussion 	<ul style="list-style-type: none"> Short Answer Objective type Assess performance in role play situations

Unit	Time Hrs.		Learning Objectives	Content	Teaching learning Activates	Assessment methods
	Th.	Pr.				
				<p>counselor</p> <ul style="list-style-type: none"> • Issues for counseling in nursing: students and practitioners • Counselling process- steps & techniques, tools of counselor • Managing disciplinary Problem • Management of crisis & referral 		
V	5		<ul style="list-style-type: none"> • Describe the philosophy & principles of education • Explain the teaching learning process 	<p>Principles of education & teaching learning process</p> <ul style="list-style-type: none"> • Education: meaning philosophy, aims, functions & principles • Nature and characteristics of learning • Principles and maxims of teaching • Formulating objectives; general and specific • Lesson planning • Classroom managements 	<ul style="list-style-type: none"> • Lecture Discussion • Prepare lesson plan • Micro teaching • Exercises on Writing objectives 	<ul style="list-style-type: none"> • Short Answer • Objective type • Assess lesson plans and teaching sessions
VI	10	10	<ul style="list-style-type: none"> • Demonstrate teaching skills using various teaching methods in clinical, classroom and community setting 	<p>Methods of teaching</p> <ul style="list-style-type: none"> • Lecture, demonstration, group discussion, seminar, symposium, panel discussion, role-play, project, field trip, workshop, exhibition, programmed instruction in computer assisted learning, microteaching problem based learning • Self-instructional module and simulation etc. • Clinical teaching methods: case method, nursing round & reports, bedside clinic, conference (individual & group) process recording 	<ul style="list-style-type: none"> • Lecture Discussion • Conduct 5 teaching sessions using different methods & media 	<ul style="list-style-type: none"> • Short Answer • Objective type • Assess teaching sessions
VII	10	8	<ul style="list-style-type: none"> • Prepare and use different types of educational media effectively 	<p>Educational media</p> <ul style="list-style-type: none"> • Purpose & 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 aid: pamphlets & leaflets 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Prepare different teaching aids- projected & non 	<ul style="list-style-type: none"> • Short Answer • Objective type • Assess teaching aids prepared

Unit	Time Hrs.		Learning Objectives	Content	Teaching learning Activates	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> Projected aids: Slides, overhead Projector, films, TV ,VCR/VCD ,camera, microscope, LCD Audio aids: tape recorder, public address system Computer 	projected	
VIII	5	7	<ul style="list-style-type: none"> Prepare different types of questions of assessment of knowledge, skills and attitudes 	Assessment <ul style="list-style-type: none"> Purpose & scope of evaluation & assessment Criteria for selection of assessment techniques and methods Assessment of knowledge: essay type questions (SAQ), Multiple choice questions (MCQ) Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE) Assessment of attitudes: attitude scales	<ul style="list-style-type: none"> Lecture discussion Exercise on Writing different types of assessment tools 	<ul style="list-style-type: none"> Short Answer Objective type Assess the strategies used in practice teaching sessions and exercise sessions
IX	5		<ul style="list-style-type: none"> Teach individuals, groups and communities about health with their active participation 	Information, Education & communication for health (IEC) <ul style="list-style-type: none"> Health behavior & health Education Planning for health education Health education with individuals, groups, & communities. Communicating health messages Methods & media for communicating health messages Using mass media 	<ul style="list-style-type: none"> Lecture discussion Plan & conduct health education sessions for individuals, group & communities 	<ul style="list-style-type: none"> Short Answer Objective type Assess the planning & conduct of the educational session

Medical Surgical Nursing (Adult including Geriatrics) – II

Placement: Third Year

Time: Theory -120 hours
Practical –270 hours

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

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	15	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with Disorders of Ear Nose and throat 	<p>Nursing management of patient with disorders of ear, nose & throat</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the Ear, Nose and Throat Nursing Assessment – History and Physical assessment Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders: <ul style="list-style-type: none"> External ear: deformities otalgia, foreign bodies, and tumours Middle Ear-Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoid its, tumours Inner ear-Meniere’s Disease, labyrinthitis, ototoxicity, tumours Upper airway infections –Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis. Upper respiratory airway - epistaxis, Nasal obstruction, laryngeal obstruction, cancer of the larynx Cancer of the oral cavity Speech defects and speech therapy Deafness – Prevention, Control and rehabilitation Hearing Aids, implanted hearing devices <p>Special therapies 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"> Lecture Discussion Explain using charts, graphs Models, films, slides Demonstration Practice session Case discussions/ Seminar Health education Supervised clinical practice Drug book / Presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
II	15	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patient with disorders of eye 	<p>Nursing management of patient with disorders of eye</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the eye Nursing Assessment –History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: <ul style="list-style-type: none"> Refractive errors Eyelids-infection, tumours and deformities Conjunctiva-inflammation and infection, bleeding Cornea-inflammation and infection Lens-Cataracts Glaucoma Disorder of the uveal tract, Ocular tumours Disorders of posterior chamber and retina: Retinal and vitreous problems. <ul style="list-style-type: none"> Retinal detachment Ocular emergencies and their prevention Blindness National blindness control program <ul style="list-style-type: none"> Eye Banking Eye prostheses and Rehabilitation <p>Role of a nurse-Communication with visually impaired patient, Eye camps special therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of eye</p>	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, graphs Models, films, slides Demonstration Practice session Case discussions/ Seminar Health education Supervised clinical practice Drug book / Presentation Visit to eye bank Participation in eye-camps 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
III	16	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with neurological disorders 	<p>Nursing management of patient with neurological disorders</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the neurological system Nursing Assessment – History, Physical and neurological assessment and Glasgow coma scale Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders Congenital malformations 	<ul style="list-style-type: none"> Lecture Discussion Explain using charts, graphs Models, films, slides Demonstration Practice session Case discussions/ Seminar Health education 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> • 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 and cerebral aneurysms • Infections: <ul style="list-style-type: none"> □ Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders <ul style="list-style-type: none"> □ Chorea □ Seizures □ Epilepsies • Cerebro Vascular Accidents (CVA) • Cranial, Spinal Neuropathies- Bell's palsy, trigeminal neuralgia • Peripheral Neuropathies; Guillain - Barr' e Syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative diseases <ul style="list-style-type: none"> ○ Delirium ○ Dementia ○ Alzheimer's disease ○ Parkinson's disease □ Management of unconscious patients and patients with stroke □ Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit <p>Role of nurse in long stay facility (institutions) and at home</p> <p>Special therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of neurological disorders</p>	<ul style="list-style-type: none"> • Supervised clinical practice • Drug book / Presentation • Visit to rehabilitation Centre 	
IV	16	Describe the etiology, patho-physiology, manifestations , diagnostic measures and nursing	<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 	<ul style="list-style-type: none"> • Lecture • Discussion • Explain using charts, graphs • Models, films, slides • Demonstration 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		<p>management of patients with disorders of female reproductive system</p> <ul style="list-style-type: none"> • Describe concept of reproductive health and family welfare programme 	<ul style="list-style-type: none"> • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of disorders of female reproductive system • Congenital abnormalities of female reproductive system • Sexuality and Reproductive Health • Sexual Health Assessment • Menstrual Disorder; dysmenorrhea, Amenorrhea, Premenstrual Syndrome • Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia • Pelvic Inflammatory Disease- • Ovarian and fallopian tube disorders; infections, cysts, tumours • Uterine and cervical disorders; Endometriosis, polyps, fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception; Types, Methods, Risk and effectiveness <ul style="list-style-type: none"> □ Spacing Methods <ul style="list-style-type: none"> - Barrier methods, Intra Uterine Devices, Hormonal, Post conceptional Methods, etc. □ Terminal methods <ul style="list-style-type: none"> - Sterilization • Emergency Contraception methods • Abortion – Natural, medical and surgical abortion – MTP Act • Toxic Shock Syndrome • Injuries and Trauma; Sexual violence <p>Special therapies Nursing procedures Drugs used in treatment of gynecological</p>	<ul style="list-style-type: none"> • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book / Presentation 	<ul style="list-style-type: none"> • Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			Disorders National family welfare Programme		
V	10	Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patient with Burns, reconstructive and cosmetic surgery	<p>Nursing management of patients with Burns, reconstructive and cosmetic surgery</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the skin and connective tissues and various deformities Nursing Assessment-History and physical assessment and assessment of burns and fluid an electrolyte loss Etiology, classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Re-constructive and Cosmetic surgery; Type of Re-Constructive and cosmetic surgery of burns, congenital deformities, injuries and cosmetic purposes. Role of nurse Legal aspects Rehabilitation Special therapies <ul style="list-style-type: none"> □ Psycho social aspects <p>Drugs used in treatment of Burns, reconstructive and cosmetic surgery</p>	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Model's films, slides Demonstration Practice session Case discussion /seminar Health education Supervised clinical practice Drug book/ Presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
VI	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and nursing Management of patients with oncology 	<p>Nursing management of patients with oncological conditions</p> <ul style="list-style-type: none"> Structure & characteristics of normal & cancer cells Nursing Assessment-History and Physical assessment Prevention, screening, Early detection, Warning signs of cancer Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Model's films, slides Demonstration Practice session Case discussion /seminar Health education Supervised clinical practice Drug book / Presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> conditions • Common malignancies of various body system; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc • Oncological emergences • Modalities of treatment <ul style="list-style-type: none"> □ Immunotherapy □ Chemotherapy □ Radiotherapy □ Surgical Interventions □ Stem cell and bone marrow transplants □ Gene therapy □ Other forms of treatment • Psychosocial aspects of cancer • Rehabilitation • Palliative care; symptom and pain management, nutritional support • Home care • Hospital care • Stomal therapy • Special therapies <ul style="list-style-type: none"> □ Psycho Social aspects • Nursing procedures 		
VII	10	<ul style="list-style-type: none"> • Describe organization of emergency and disaster care services • Describe the role of nurse in disaster management • Describe the role of nurse in management of common Emergencies 	<p>Nursing management of patient in EMERGENCY & Disaster situations</p> <p>Disaster Nursing:</p> <ul style="list-style-type: none"> • Concepts and principles of Disaster Nursing • Causes and Types of Disaster: Natural and Man-made <ul style="list-style-type: none"> □ Earthquakes, Floods, Epidemics, Cyclones □ Fire, Explosion, Accidents □ Violence, Terrorism; bio-chemical, War • Policies related to emergency/disaster management'; International, national, state, institutional • Disaster preparedness: • Team, Guidelines, protocols, Equipments, Resources 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Model's films, slides • Demonstration • Practice session • Case discussion /seminar • Health education • Supervised clinical practice • Disaster management Drills • Drug book / Presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> • Coordination and involvement of; community, various govt. departments, non-govt. organizations and International agencies • Role of nurse: working • Legal Aspects of Disaster Nursing • Impact on Health and after effect; Post Traumatic Stress Disorder • Rehabilitation; physical, psychosocial, Financial, Relocation. <p>Emergency Nursing</p> <ul style="list-style-type: none"> • Concept, priorities, principles and Scope of emergency nursing • Organization of emergency services: physical setup, staffing equipment and supplies, protocols, Concepts of triage and role of triage nurse. • Coordination and involvement of different departments and facilities • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency • Principles of emergency management • Common emergencies; • Respiratory Emergencies • Cardiac Emergencies • Shock and Hemorrhage • Pain • Poly-Trauma, road accidents, crush injuries, wound • Bites • Poisoning; Food, Gas, Drugs & chemical poisoning • Seizures • Thermal Emergencies; Heat stroked & Cold injuries 		

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> • Pediatric Emergencies • Psychiatric Emergencies • Obstetrical Emergencies • Violence, Abuse, Sexual Assault • Cardio Pulmonary Resuscitation • Crisis Intervention • Role of the nurse; communication and Inter personal Relations • Medico-Legal Aspects; 		
VIII	10	<ul style="list-style-type: none"> • Explain the concept and problems of ageing • Describe nursing care of the elderly 	<p>Nursing care of the elderly</p> <ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Ageing; • Demography; Myths and realities • Concepts and theories of ageing • Cognitive Aspects of Ageing • Normal biological ageing • Age related body systems changes • Psychosocial Aspects of aging • Medications and elderly • Stress & coping in older adults • Common Health Problems & Nursing management; • Cardiovascular, Respiratory, Musculoskeletal, • Endocrine, genito-urinary, gastrointestinal • Neurological, skin and other Sensory organs <ul style="list-style-type: none"> □ Psychosocial and Sexual □ Abuse of elderly • Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual • Role of nurse for caregivers of elderly • Role of family and formal and non formal caregivers • Use of aids and prosthesis (hearing aids, dentures), • Legal & Ethical Issues • Provisions and Programmes for elderly; privileges, community programmes and health services; 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides. • Demonstration • Practice session • Case discussion /seminar • Health education • Supervised clinical practice • Drug book / Presentation • Visit to old age home 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> Home and institutional care 		
IX	10	<ul style="list-style-type: none"> Describe organization of critical care units Describe the role of nurse in management of patients critical care units 	<p>Nursing management of patient in critical care units</p> <ul style="list-style-type: none"> Nursing Assessment – History and Physical assessment Classification Principles of critical care nursing Organization; physical setup, policies, staffing norms, Protocols, equipment; and supplies Special equipments; ventilation, cardiac monitors, defibrillators. Resuscitation equipments Infection Control Protocols Nursing management of critically ill patient; Monitoring of critically ill patient CPR-Advance cardiac life support Treatments and procedures Transitional care Ethical and Legal Aspects Communication with patient and family Intensive care records Crisis Intervention Death and Dying – coping with Drugs used in critical care unit 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, graphs Model’s films, slides Demonstration Role plays Counseling Practice session /seminar Health education Supervised clinical practice Drug book / Presentation 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient - management problem
X	8	<ul style="list-style-type: none"> Describe the etiology, Pathophysiology, clinical manifestations, Assessment, diagnostic measures 	<p>Nursing management of patient’s adults including elderly with Occupational and Industrial disorders.</p> <ul style="list-style-type: none"> Nursing Assessment- History and Physical assessment Etiology, Pathophysiology, 		

Unit	Time hrs.	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
		and management of patients with occupational and industrial health disorder	Clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders <ul style="list-style-type: none"> • Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational and industrial disorders		

Medical Surgical Nursing (Adult and Geriatrics) – II Practical

Placements: Third year

Time: Theory-120 hrs.

Practical-270 hrs.

Internship – 430 hrs.

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

Areas	Durati-on (in wks)	Objectives of posting	Skills to be developed	Assignments	Assessment methods
			<ul style="list-style-type: none"> Participate in rehabilitation program 	<ul style="list-style-type: none"> Health Teaching –I 	Health teaching <ul style="list-style-type: none"> Completion of activity record
Gynecology Ward	1	<ul style="list-style-type: none"> Provide care to patients with gynecological disorders. Counsel and educate patients and families 	<ul style="list-style-type: none"> Assist with gynecological Examination Assist with diagnostic procedures Assist with therapeutic procedures Teach patients and families Teaching self breast examination Assist with PAP smear collection 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan- I Maintain Drug book 	<ul style="list-style-type: none"> Asses each skill with check list Assess performance with rating scale Evaluation of care plan Completion of activity record
Burns Unit	1	<ul style="list-style-type: none"> Provide care to patients with Burns Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of the burn patient <ul style="list-style-type: none"> Percentage of burns Degree of burns Fluid & electrolyte replacement therapy <ul style="list-style-type: none"> Assess Calculate Replace Record intake/output Care of Burn wounds <ul style="list-style-type: none"> Bathing Dressing Perform active & passive exercise Practice medical & surgical asepsis Counsel & teach patients and families Participate in rehabilitation Programme 	<ul style="list-style-type: none"> Provide care to 1-3 assigned patients Nursing care plan- I Observation reports of Burns unit 	<ul style="list-style-type: none"> Asses each skill with check list Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record
Oncology Unit	1	<ul style="list-style-type: none"> Provide care to patients with cancer Counsel and educate patient and families 	<ul style="list-style-type: none"> Screen for common cancers - TNM classification Assist with diagnostic procedures Biopsies Pap smear Bone marrow aspiration. Breast examination Assist with therapeutic procedure 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan- I Observation reports of cancer unit 	<ul style="list-style-type: none"> Asses each skill with check list Assess performance with rating scale Evaluation of care plan and observation

Areas	Durati on (in wks)	Objectives of posting	Skills to be developed	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Participates in various modalities of treatment <ul style="list-style-type: none"> □ Chemotherapy □ Radiotherapy □ Pain management □ Stoma therapy □ Hormonal therapy □ Immuno therapy □ Gene therapy □ Alternative therapy • Participate in palliative care • Counsel and teach patients families <ul style="list-style-type: none"> □ Self Breast Examination □ Warning sings • Participate in rehabilitation Programme 		<ul style="list-style-type: none"> report. • Completion of activity record.
Critical Care unit	2	<ul style="list-style-type: none"> • Provide care to critically ill patients • Counsel patient and families for grief and bereavement 	<ul style="list-style-type: none"> • Monitoring of patients in ICU • Maintain flow sheet • Care of patients on ventilators • Perform Endotracheal suction • Demonstrates use of ventilators, cardiac monitors etc. • Collect specimens and interprets ABG analysis • Assist with arterial puncture • Maintain CVP line • Pulse oximetry • CPR-ALS • Defibrillators • Pace makers • Bag-mask ventilation • Emergency tray/trolley-crash cart • Administration of drugs <ul style="list-style-type: none"> □ Infusion pump □ Epidural □ Intrathecal □ Intracardiac • Total parenteral therapy • Chest physiotherapy 	<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 check list • Assess performance with rating scale • Evaluation of observation report • Completion of activity record

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

Placement-Internship

Time: 430 hours (9 weeks)

Area	Duration (In week)	Objectives	Skills	Assignments
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies Assist with common operations	Integrated practice	Assess clinical Performance with rating sale
Surgical Ward	2			
Critical care unit/ICCU	1			
Casualty/Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

Child Health Nursing

Placements: Third year

Time: Theory-90 hrs.
Practical-270 hrs.
Internship – 145 hrs

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

Unit	Time (hrs.)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	15	<ul style="list-style-type: none"> Explain the modern concept of child care & principles of child health nursing Describe national policy programmes and legislation in relation to child health and welfare List major causes of death during infancy, early & late childhood Describe the major functions and role of the Paediatric nurse in caring for a hospitalized child. Describe the principles of child health nursing 	<p>Introduction Modern Concepts of childcare</p> <ul style="list-style-type: none"> Internationally accepted rights of the child National policy and legislations in relation to child health and welfare National programmes related to child health and welfare Agencies related to welfare services to the children Changing trends in hospital care, preventive, promotive and curative aspects of child health Child morbidity and mortality rates. Differences between an adult and child Hospital environment for a sick child Impact of hospitalisation on the child and family. Grief and bereavement The role of a child health nurse in caring for a hospitalized child Principles of pre and post operative care of infants and children Child health nursing procedures 	<ul style="list-style-type: none"> Lecture Discussion Demonstration of common pediatric procedures 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with check list
II	20	<ul style="list-style-type: none"> Describe the normal growth & development of children at different ages 	<p>The healthy child</p> <ul style="list-style-type: none"> Principles of growth and development Factors affecting growth & development 	<ul style="list-style-type: none"> Lecture Discussion Developmental study of infant and children 	<ul style="list-style-type: none"> Short answers Objective type Assessment of field visits and developmental

Unit	Time (hrs.)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> Identify the needs of children and different ages and provide parental guidance Identify the nutritional needs of children at different age and ways of meeting the needs Appreciate the role of play for normal and sick children Appreciate the preventive measures and strategies for children 	<ul style="list-style-type: none"> 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"> Observation study of normal and sick child Field visit to Anganwadi, child guidance clinic Film show on breast feeding Clinical practice / field 	Study reports
III	15	<ul style="list-style-type: none"> Provide care to normal & high risk neonates Perform neonatal resuscitation Recognize and manage common neonatal problems 	Nursing care of a neonate <ul style="list-style-type: none"> Nursing care of a normal newborn/Essential newborn care Neonatal resuscitation Nursing management of a low birth weight baby. Kangaroo mother care Nursing management of common neonatal disorders Organization of neonatal unit Identification & nursing management of common congenital malformations. 	<ul style="list-style-type: none"> Lecture Discussion Workshop on neonatal resuscitation Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with check list
IV	10		Integrated management of neonatal and childhood illnesses (IMNCI)		
V	20	<ul style="list-style-type: none"> Provide nursing care in common childhood diseases Identify measures to prevent common childhood 	Nursing management in common childhood diseases <ul style="list-style-type: none"> Nutritional deficiency disorders Respiratory disorders and infections Gastrointestinal infections, infestations and congenital disorders 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Practice session Clinical Practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with check list

Unit	Time (hrs.)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		diseases including immunization	<ul style="list-style-type: none"> • Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease • Genito-urinary disorders: acute glomerulus's nephritis, Nephrotic syndrome, Wilm's tumor, infection and congenital disorders. • Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, and spina bifida. • Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia • Endocrine disorders: Juvenile Diabetes Mellitus • Orthopedic disorders: club feet, hip dislocation and fracture. • Disorders of skin, eye, and ears • Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. • Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning • Nursing care of infant and children with HIV/AIDS. 		
VI	10	<ul style="list-style-type: none"> • Manage the child with behavioral & social problems • Identify the social & welfare services for challenged children 	Management of behavioural & social problems in children <ul style="list-style-type: none"> • Management of common behavioural disorders • Management of common psychiatric problems • Management of challenged children: Mentally, Physically, & Socially challenged • Welfare services for challenged children in India. • Child guidance clinics 	<ul style="list-style-type: none"> • Lecture discussion • Field visits to child guidance clinics, school for mentally & physically socially, challenged 	<ul style="list-style-type: none"> • Short answers • Objective types • Assessment of field reports

Child Health Nursing-Practical

Placements: Third year
Fourth Year

Time: Practical -270 hrs.(9 Weeks)
Internship – 145 hrs (3 Weeks)

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Pediatric Medicine Ward	3	<ul style="list-style-type: none"> • Provide nursing care to children with various medical disorders. • Counsel and educate parents. 	<ul style="list-style-type: none"> • Taking 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 katori spoon, etc • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers/parents <ul style="list-style-type: none"> □ Malnutrition □ Oral rehydration therapy □ Feeding & Weaning □ Immunization schedule □ Play therapy □ Specific Disease conditions 	<ul style="list-style-type: none"> • Give care to three assigned Pediatric patients • Nursing Care Plan-1 • Case study/ presentation -1 • Health Talk –1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with check list OSCE/ OSPE • Evaluation of case study/ presentation and health education session • Completion of activity record.
Pediatric Surgery Ward	3	<ul style="list-style-type: none"> • Recognize different pediatric surgical conditions / malformations 	<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 	<ul style="list-style-type: none"> • Give care to three assigned pediatric surgical patients • Nursing Care Plan-1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with check list OSCE/OSPE

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> • Provide pre and post operative care to children with common Paediatric surgical conditions / malformation • Counsel and educate parents 	<ul style="list-style-type: none"> □ Ureterostomy □ Gastrostomy □ Enterostomy • Urinary catheterization and drainage • Feeding <ul style="list-style-type: none"> □ Naso-gastric □ Gastrostomy □ Jejunostomy • Care of surgical wounds <ul style="list-style-type: none"> □ Dressing □ Suture removal 	<ul style="list-style-type: none"> • Nursing Care Plan-1 • Case study/ Presentation-1 	<ul style="list-style-type: none"> • Evaluation of case study/ presentation • Completion of activity record
Pediatric OPD/ Immunization room	1	<ul style="list-style-type: none"> • Perform assessment of children Health, Development and Anthropometric • Perform Immunization • Give Health Education /Nutritional Education 	<ul style="list-style-type: none"> • Assessment of children <ul style="list-style-type: none"> □ Health assessment □ Developmental assessment □ Anthropometric assessment • Immunization • Health/ Nutritional Education 	<ul style="list-style-type: none"> • Developmental study-1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Completion of activity record.
Pediatric medicine and surgery ICU	1+1	<ul style="list-style-type: none"> • Provide nursing care to critically ill children 	<ul style="list-style-type: none"> • Care of a baby in incubator/warmer • Care of a child on ventilator • Endotracheal suction • Chest physiotherapy • Administer fluids with infusion pump • Total parenteral nutrition • Photo therapy • 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

Internship

Time: 145 hrs (3 weeks)

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

Mental Health Nursing

Placement: Third year

Time: Theory - 90 hrs.

Practical - 270 hrs.

Internship – 95 hrs (2 weeks)

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

Unit	Time hrs.	Learning Objective	Content	Teaching Learning Activity	Assessment Method
I	5	<ul style="list-style-type: none"> Describes the historical development & current trends in mental health nursing Describe the Epidemiology of mental health problem Describe the National Mental Health Act, programmes and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour 	Introduction <ul style="list-style-type: none"> Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatments and nursing practices. Prevalence and incidence of mental health problems and disorders Mental Health Act National Mental health policy vis a vis National Health Policy National Mental Health programme Mental health team Nature and scope of mental health nursing Role and functions of mental health nurse in various setting and factors affecting the level of nursing practice Concepts of normal and abnormal behaviour 	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Objective types Short answer Assessment of the field visit reports
II	5	<ul style="list-style-type: none"> Define the various terms used in mental health Nursing Explains the classification of mental disorders Explain psychodynamics of maladaptive behavior Discuss the etiological factors, 	Principles and concepts of Mental Health Nursing <ul style="list-style-type: none"> Definition: mental health nursing and terminology used Classification of mental disorders: ICD Review of personality development, defense mechanisms Maladaptive behavior of individuals and groups; stress, crisis and disasters Etiology; bio-psycho-social factors 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts Review of personality developments 	<ul style="list-style-type: none"> Essay type Short answer Objective type

Unit	Time hrs.	Learning Objective	Content	Teaching Learning Activity	Assessment Method
		Psychopathology of mental disorders <ul style="list-style-type: none"> • Explain the Principles and standards of mental health Nursing • Describe the conceptual models of mental health nursing 	<ul style="list-style-type: none"> • Psychopathology of mental disorders; review of structure and function of brain, limbic system and abnormal neuro transmission • Principles of Mental health nursing • Standards of mental health nursing practice • Conceptual models and the role of nurse: <ul style="list-style-type: none"> □ Existential Model □ Psycho-analytical models □ Behavioural model □ Interpersonal Model 		
III	8	<ul style="list-style-type: none"> • Describe the nature, purpose, and process of assessment of mental health status 	Assessment of mental health status <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination • Neurological examination: Review • Investigations: Related Blood chemistry, EEG, CT & MRI • Psychological tests Role and responsibilities of nurse	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Short answer • Objective type • Assessment of skills with check list
IV	6	<ul style="list-style-type: none"> • Identify therapeutic communication techniques • Describe therapeutic relationship • Describe therapeutic impasse and its intervention 	Therapeutic communication and nurse-patient relationship <ul style="list-style-type: none"> • Therapeutic communication: Types, techniques, characteristics • Types of relationship, • Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR - Johari window • Goals, phases, tasks, therapeutic techniques • Therapeutic impasse and its intervention 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Role play • Process recording 	<ul style="list-style-type: none"> • Short answer • Objective type
V	14	<ul style="list-style-type: none"> • Explain treatment modalities and therapies used in mental disorders and role of the nurse 	Treatment modalities and therapies used in mental disorders <ul style="list-style-type: none"> • Psycho Pharmacology Psychological therapies: Therapeutic community, psycho therapy-Individual: psycho-analytical, cognitive and supportive, Family, Group Behavioural, Play, Psycho- drama, Music, Dance,	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Group work • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Objective type

Unit	Time hrs.	Learning Objective	Content	Teaching Learning Activity	Assessment Method
			Recreational and Light therapy, Relaxation therapies; Yoga, Meditation, bio feedback <ul style="list-style-type: none"> • Alternative systems of medicine • Occupational therapy • Physical Therapy: electro convulsive therapy • Geriatric considerations Role of nurse in above therapies		
VI	5	<ul style="list-style-type: none"> • Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders 	Nursing management of patient with Schizophrenia, and other psychotic disorders <ul style="list-style-type: none"> • Classification: ICD • Etiology, psycho-pathology, types, clinical manifestations, diagnosis • Nursing Assessment – History, Physical and mental assessment • Treatment modalities and nursing management of patient with Schizophrenia and other psychotic disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patient management problems
VII	5	<ul style="list-style-type: none"> • Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders 	Nursing management of patient with mood disorders <ul style="list-style-type: none"> • Mood disorder: Bipolar affective disorders, Mania depression and dysthymia etc. • Etiology psychopathology, clinical manifestations, diagnosis. • Nursing Assessment- History, Physical and mental assessment • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> • Lecture discussion • Case discussion • Case presentation • Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patients management problems
VIII	8	<ul style="list-style-type: none"> • Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of 	Nursing management of patient with neurotic, stress related and somatization disorders Anxiety disorder, Phobias, Dissociation and Conversion	<ul style="list-style-type: none"> • Lecture discussion • Case discussion 	<ul style="list-style-type: none"> • Essay type • Short answer • Assessment of patients management

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

Unit	Time hrs.	Learning Objective	Content	Teaching Learning Activity	Assessment Method
XI	6	<ul style="list-style-type: none"> Describe the etiology, psychopathology, clinical manifestations diagnostic criteria and management of childhood and adolescent disorders including mental deficiency 	Nursing management of Childhood and adolescent disorders including mental deficiency <ul style="list-style-type: none"> Classification Etiology, psycho-pathology, characteristics, diagnosis, Nursing Assessment-History, Physical, mental and IQ assessment Treatment modalities and nursing management of childhood disorders including mental deficiency Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Assessment of patients management problems
XII	5	<ul style="list-style-type: none"> Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders. 	Nursing management of organic brain disorders <ul style="list-style-type: none"> Classification: ICD Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (Parkinson's and Alzheimer's) Nursing assessment – History, Physical, mental and neurological assessment Treatment modalities and nursing management of organic brain disorders Geriatric considerations Follow-up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answer Assessment of patients management problems
XIII	6	<ul style="list-style-type: none"> Identify psychiatric emergencies and carry out crisis intervention 	Psychiatric emergencies and crisis intervention <ul style="list-style-type: none"> Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism Grief: Theories of grieving process, principles, techniques of counseling Types of crisis Crisis Intervention: Principles, Techniques and process Geriatric considerations Role and responsibilities of nurse 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answer Objective type
XIV	4	<ul style="list-style-type: none"> Explain legal aspects applied in mental health settings and role of the nurse 	Legal issues in Mental Health Nursing <ul style="list-style-type: none"> The Mental Health Act 1987: Act, Sections, Articles and their implications etc. Indian Lunacy Act. 1912 Rights of mentally ill clients 	<ul style="list-style-type: none"> Lecture discussion Case discussion 	<ul style="list-style-type: none"> Short answers Objective types

Unit	Time hrs.	Learning Objective	Content	Teaching Learning Activity	Assessment Method
			<ul style="list-style-type: none"> • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures Role and responsibilities of nurse		
XV	4	<ul style="list-style-type: none"> • Describe the model of preventive psychiatry • Describes Community Mental health services and role of the nurse 	Community Mental Health Nursing <ul style="list-style-type: none"> • Development of Community Mental Health Services: • National Metal 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 services agencies 	<ul style="list-style-type: none"> • Short answer • Objective type • Assessment of the field visit reports

Mental Health Nursing – Practical

Placements: Third year
Fourth year

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

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

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> Assist in various therapies Counsel and educate Patients, families and significant others 	<ul style="list-style-type: none"> Prepare patients for Activities of Daily living (ADL) Conduct admission and discharge counseling Counsel and teach patients and families 		<ul style="list-style-type: none"> Completion of activity record
Community psychiatry	1	<ul style="list-style-type: none"> To identify patients with various mental disorders To motivate patients for early treatment and follow up To assist in follow up clinic Counsel and educate patient, family and community 	<ul style="list-style-type: none"> Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community 	<ul style="list-style-type: none"> Case Work –1 Observation report on field visits 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of case work and observation report Completion of activity record

Internship

Time: 95 hrs (2 Weeks)

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

Midwifery and Obstetrical Nursing

Placement: Third year

Time: Theory - 90 hrs.

Practical - 180 hrs.

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

Unit	Time Hrs.	Learning Objective	Content	Teaching learning Activities	Assessment method
I	3	<ul style="list-style-type: none"> Recognize the trends and issues in midwifery and obstetrical nursing 	<p>Introduction to midwifery and obstetrical Nursing</p> <ul style="list-style-type: none"> Introduction to concepts of midwifery and obstetrical nursing Trends in midwifery and obstetrical nursing <ul style="list-style-type: none"> Historical perspectives and current trends Legal and ethical aspects Pre-conception care and preparing for parenthood Role of nurse in midwifery and obstetrical care. National policy and legislation in relation to maternal health and welfare. Maternal, morbidity, mortality and fertility rates. Prenatal, morbidity and mortality rates 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts and graphs 	<ul style="list-style-type: none"> Short answers Objective types
II	8	<ul style="list-style-type: none"> Describe the anatomy and physiology of female reproductive system 	<p>Review of anatomy and physiology of female reproductive system and foetal development</p> <ul style="list-style-type: none"> Female pelvis-general description of the bones joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, and variations in pelvis shape. Female organs of reproduction-external genitalia, internal genital organs and their anatomical relations, musculature-blood-supply, nerves, lymphatic, pelvic cellular tissue, pelvic peritoneum. Physiology of menstrual cycle Human sexuality Foetal development <ul style="list-style-type: none"> Conception <ul style="list-style-type: none"> Review of fertilization, implantation (embedding of the ovum), Development of the embryo and 	<ul style="list-style-type: none"> Lecture discussion Review with charts and models 	<ul style="list-style-type: none"> Short answers Objective types

Unit	Time Hrs.	Learning Objective	Content	Teaching learning Activities	Assessment method
			Placenta at term ,Functions, Abnormalities of the foetal sac, amniotic fluid and umbilical cord, <input type="checkbox"/> Foetal circulation, foetal skull, bones, sutures and measurements. <ul style="list-style-type: none"> • Review of Genetics 		
III	8	<ul style="list-style-type: none"> • Describe the Diagnosis and management of woman during antenatal period 	Assessment and management of pregnancy (ante-natal) <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy <ul style="list-style-type: none"> <input type="checkbox"/> Reproductive system <input type="checkbox"/> Cardio vascular system <input type="checkbox"/> Respiratory system <input type="checkbox"/> Urinary system <input type="checkbox"/> Gastro intestinal system <input type="checkbox"/> Metabolic changes <input type="checkbox"/> Skeletal changes <input type="checkbox"/> Skin changes <input type="checkbox"/> Endocrine system <input type="checkbox"/> Psychological changes <input type="checkbox"/> Discomforts of pregnancy • Diagnosis of pregnancy <ul style="list-style-type: none"> <input type="checkbox"/> Signs <input type="checkbox"/> Differential diagnosis <input type="checkbox"/> Confirmatory test • Ante-natal care <ul style="list-style-type: none"> <input type="checkbox"/> Objectives <input type="checkbox"/> Assessment <ul style="list-style-type: none"> - History and physical examination - Antenatal Examination - Signs of previous child-birth <input type="checkbox"/> Relationship of fetus to uterus and pelvis: Lie, Attitude, Presentation, position <input type="checkbox"/> Per-vaginal examination. • Screening and 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"> <input type="checkbox"/> Antenatal counseling <input type="checkbox"/> Antenatal exercises <input type="checkbox"/> Diet <input type="checkbox"/> Substance use <input type="checkbox"/> Education for child-birth <input type="checkbox"/> Husband and families <input type="checkbox"/> Preparation for safe-confinement <input type="checkbox"/> Prevention from radiation 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion / presentation • Health talk. • Practice session. • Counseling session. • Supervised clinical practice. 	<ul style="list-style-type: none"> • Short answers • Objective types • Assessment of skills with check list • Assessment of patients management problems

Unit	Time Hrs.	Learning Objective	Content	Teaching learning Activities	Assessment method
			<ul style="list-style-type: none"> • Psycho-social and cultural aspects of pregnancy <ul style="list-style-type: none"> □ Adjustment to pregnancy □ Unwed mother □ Single parent □ Teenage pregnancy □ Sexual violence • Adoption 		
IV	12	<ul style="list-style-type: none"> • Describe the physiology and stages of labour • Describe the management of women during Intranatal period 	<p>Assessment and management of intra-natal period</p> <ul style="list-style-type: none"> • Physiology of labour, mechanism of labour • Management of labour <ul style="list-style-type: none"> □ First stage <ul style="list-style-type: none"> - Signs and symptoms of onset of labour; normal and abnormal - Duration - Preparation of; <ul style="list-style-type: none"> □ □ Labour room □ □ Woman - Assessment and observation of women in labour; partogram-maternal and foetal monitoring - Active management of labour, Induction of labour - Pain relief and comfort in labour • Second stage <ul style="list-style-type: none"> □ Signs and symptoms; normal and abnormal □ Duration □ Conduct of delivery; Principles and techniques □ Episiotomies (only if required) □ Receiving the new born <ul style="list-style-type: none"> - Neonatal resuscitation; initial steps and subsequent resuscitation - Care of umbilical cord - Immediate assessment including screening for congenital anomalies - Identification - Bonding - Initiate feeding - Screening and transportation of the neonate • Third stage <ul style="list-style-type: none"> □ Signs and symptoms; normal and abnormal □ Duration □ Method of placental expulsion □ Management; Principles and 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion presentation • Simulated practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list • Assessment of patients management problems

Unit	Time Hrs.	Learning Objective	Content	Teaching learning Activities	Assessment method
			Technique <ul style="list-style-type: none"> ❑ Examination of the placenta ❑ Examination of perineum <ul style="list-style-type: none"> • Maintaining records and report. • Fourth Stage 		
V	5	<ul style="list-style-type: none"> • Describe the physiology of puerperium • Describe the management of woman during postnatal period 	Assessment and management of women during post natal period <ul style="list-style-type: none"> • Normal puerperium; Physiology, Duration • Postnatal assessment and management <ul style="list-style-type: none"> ❑ Promoting physical and emotional well-being ❑ Lactation management ❑ Immunization • Family dynamics after childbirth. • Family welfare services; methods, counseling • Follow-up • Records and reports 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Health talk • Practice Session • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list • Assessment of patient management problems
VI	6	<ul style="list-style-type: none"> • Describe the assessment and management of normal neonate 	Assessment and management of normal neonates <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 • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list • Assessment of patient management problems
VII	10	<ul style="list-style-type: none"> • Describe the identification and management of woman with high risk pregnancy 	High – risk pregnancy – assessment & management <ul style="list-style-type: none"> • Screening and assessment <ul style="list-style-type: none"> ❑ Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive, ❑ Newer modalities of diagnosis • High-risk approach • Levels of care; primary, secondary and tertiary levels • Disorders of pregnancy <ul style="list-style-type: none"> ❑ Hyper-emesis gravidarum, bleeding in early pregnancy, 	<ul style="list-style-type: none"> • Lecture discussion • Demonstrate using video films, scan reports, partograph etc. • Case discussion/ presentation • Health talk • Practice 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list. • Assessment of patients management problems.

Unit	Time Hrs.	Learning Objective	Content	Teaching learning Activities	Assessment method
			<p>Abortion, ectopic Pregnancy, vesicular mole,</p> <ul style="list-style-type: none"> □ 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 □ Gynecological 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 	<p>Session</p> <ul style="list-style-type: none"> • Supervised Clinical prentice 	
VIII	10	<ul style="list-style-type: none"> • Describe management of abnormal labour And obstetrical emergencies 	<p>Abnormal Labour-assessment and management</p> <ul style="list-style-type: none"> • Disorders in labour <ul style="list-style-type: none"> □ CPD and contracted pelvis □ Malpositions and malpresentations □ Premature labour, disorders of uterine actions-precipitate labour, prolonged labour □ Complications of third stage: Injuries to birth canal • Obstetrical emergencies and their management; <ul style="list-style-type: none"> □ Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock • Obstetrical procedures and operations; <ul style="list-style-type: none"> □ Induction of labour, forceps, vacuum, version, manual removal of placenta, caesarean section, destructive operations □ Nursing management of women 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Practice Session • Supervised Clinical prentice 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list • Assessment of patients management problem

Unit	Time Hrs.	Learning Objective	Content	Teaching learning Activities	Assessment method
			Undergoing Obstetrical operations and procedures		
IX	4	Describe management of post natal complications	Abnormalities during Postnatal Periods <ul style="list-style-type: none"> • Assessment and management of woman with postnatal complications <ul style="list-style-type: none"> □ Puerperal infections, breast engorgement & infections, UTI, thrombo-Embolic disorders, post - partum hemorrhage, Eclampsia and sub involution. □ Psychological complications: <ul style="list-style-type: none"> - Post partum Blues - Post partum Depression - Post partum Psychosis 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Supervised Clinical practice. 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list • Assessment of patients management problem
X	10	<ul style="list-style-type: none"> • Identify the high risk neonates and their nursing management 	Assessment and management of High risk newborn <ul style="list-style-type: none"> • Admission of neonates in the neonatal intensive care units – protocols • Nursing management of: <ul style="list-style-type: none"> □ Low birth weight babies □ Infections □ Respiratory problems □ Hemolytic disorders □ Birth injuries □ Malformations • Monitoring of high risk neonates • Feeding of high risk neonates • Organization and management of neonatal intensive care units • Infection control in neonatal intensive care units • Maintenance of reports and records 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Case discussion/ presentation • Practice Session • Supervised Clinical prentice 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective types • Assessment of skills with check list • Assessment of patients management problem
XI	4	<ul style="list-style-type: none"> • Describe indication, dosage action, side effects and nurses responsibilities in the administration of drugs for mothers 	Pharmaco-therapeutics in Obstetrics <ul style="list-style-type: none"> • Indication, dosage, action, contra-indication and side effects of drugs • Effect of drugs on pregnancy, labour & puerperium, • Nursing responsibilities in the administration of drug in obstetrics – Oxytocins, antihypertensives, diuretics, tocolytic agents, anticonvulsants, • Analgesics and anesthetics in obstetrics. • Effects of maternal medication on 	<ul style="list-style-type: none"> • Lecture discussion • Drug presentation • Drug book. 	<ul style="list-style-type: none"> • Short answers • Objective types

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

Midwifery and Obstetrical Nursing- Practical

Placement: Third Year
Fourth year

Time: Practical – 180 hrs (Third year)
Internship - 240 hrs.

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessments Methods
Antenatal clinic/OPD	2	<ul style="list-style-type: none"> Assessment of pregnant women 	<ul style="list-style-type: none"> Antenatal history taking Physical examination Recording of Weight & B.P. Hb & Urine testing for sugar and albumin Antenatal examination- abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records 	<ul style="list-style-type: none"> Conduct antenatal examinations- 30 Health talk- 1 Case book recordings 	<ul style="list-style-type: none"> Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T	4	<ul style="list-style-type: none"> Assess woman in labour Carry out per-vaginal examination Conduct normal deliveries Perform Episiotomy and suture it Resuscitate newborns Assist with Caesarean Sections, MTP and other surgical procedure. 	<ul style="list-style-type: none"> Assessment of Woman in labour Pervaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery New born assessment and immediate care Resuscitation of newborns Assessment of risk status of newborn Episiotomy and suturing Maintenance of labour and birth records Arrange for and assist with caesarean section and care for woman & baby during Caesarean Arrange for and assist with MTP and other surgical procedures 	<ul style="list-style-type: none"> *Conduct normal deliveries – 20 * Pervaginal examinations-5 Perform and Suture the episiotomies –5 *Resuscitate newborns-5 *Assist with Caesarean Section-2 *Witness abnormal deliveries –5 Assist MTP and other surgical procedures-1 Case book recordings 	<ul style="list-style-type: none"> Assessment of clinical performance with rating scale Assessment of each skill with checklists Completion of Case book recordings

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessments Methods
Post natal ward	4	<ul style="list-style-type: none"> • Provide nursing care to post natal mother and baby • Counsel and teach mother and family for parent hood 	<ul style="list-style-type: none"> • Examination and assessment of mother and Baby • Identification of deviations • Care of postnatal mother and baby • Perineal care • Lactation management • Breast feeding • Baby bath • Immunization • Teaching postnatal mother: <ul style="list-style-type: none"> □ Mother craft □ Post natal care & Exercises □ Immunization 	<ul style="list-style-type: none"> • *Give care to post natal mothers-20 • Health talk-1 • Casestudy-1 • Case presentation –1 • Case book recordings 	<ul style="list-style-type: none"> • Assessment of clinical performance • Assessment of each skill with checklist • Completion of case book recording • Evaluation of case study and presentation and health education sessions
Newborn nursery	2	<ul style="list-style-type: none"> • Provide nursing care to newborn at risk 	<ul style="list-style-type: none"> • Newborn assessment • Admission of neonates • Feeding of at risk neonates <ul style="list-style-type: none"> □ 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 • Photo therapy • Infection control protocols in the nursery • Teaching and Counselling of parents • Maintenance of neonatal records 	<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 and observation study
Family planning clinic	Rotation from post natal ward I -week	<ul style="list-style-type: none"> • Counsel for and provide family welfare services 	<ul style="list-style-type: none"> • Counselling techniques • Insertion of IUD • Teaching on use of family planning methods • Arrange for and assist with family planning operations • Maintenance of record and reports 	<ul style="list-style-type: none"> • * IUD insertion-5 • Observation study –1 • Counselling-2 • Simulation exercise on recording and reporting –1 	<ul style="list-style-type: none"> • Assessment of each skill with checklist • Evaluation of and observation study

* Essential Requirements for registration as midwife

◆ Antenatal examination	30
◆ Conducting normal deliveries in hospital/home/health center	20
◆ Vaginal examination	5
◆ Episiotomy and suturing	5
◆ Neonatal resuscitation	5
◆ Assist with Caesarean Section	2
◆ Witness/Assist abnormal deliveries	5
◆ Postnatal cases nursed in hospital/home/health center.	20
◆ Insertion of IUD	5

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

Internship Obstetrical Nursing

Internship Duration – 5 weeks (240 hours)

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

Community Health Nursing - II

Placement: Fourth year

Time: Theory - 90 hrs.
Practical - 135 hrs.

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

Unit	Time Hrs.	Learning Objectives	Contents	Teaching Learning Activates	Assessment methods
I	4	<ul style="list-style-type: none"> Define concepts, scope, principles and historical development of Community Health and community health Nursing 	<p>Introduction</p> <ul style="list-style-type: none"> Definition, concept & scope of Community Health and Community Health Nursing. Historical development of <ul style="list-style-type: none"> Community health Community health Nursing <ul style="list-style-type: none"> Pre-independence Post-independence 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short Answers
II	6	<ul style="list-style-type: none"> Describe health plans, policies, various health committees and health problems in India 	<p>Health planning and policies and problems</p> <ul style="list-style-type: none"> National health planning in India Five Year Plans Various committees and commissions on health and family welfare <ul style="list-style-type: none"> Central Council for Health and family welfare (CCH and FW) National health policies (1983, 2002) National population policy Health problems in India 	<ul style="list-style-type: none"> Lecture discussion Panel discussion 	<ul style="list-style-type: none"> Essay type Short Answers
III	15	<ul style="list-style-type: none"> Describe the system of delivery of community health services in rural and urban areas List the functions of various levels and their staffing pattern Explain the 	<p>Delivery of community health services</p> <ul style="list-style-type: none"> Planning, budgeting and material management of SCs, PHC and, CHC Rural: Organization staffing and functions of rural health services provided by government at: <ul style="list-style-type: none"> Village Subcentre Primary health center Community health Centre/ sub divisional Hospitals District 	<ul style="list-style-type: none"> Lecture discussion Visits to various health delivery systems Supervised field practice Panel discussion 	<ul style="list-style-type: none"> Essay type Short Answers

Unit	Time Hrs.	Learning Objectives	Contents	Teaching Learning Activates	Assessment methods
		<ul style="list-style-type: none"> Components of health services Describe alternative Systems of health promotion and health maintenance. Describe the chain of referral system. 	<ul style="list-style-type: none"> State Centre Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> Slums Dispensaries Maternal and child health centers Special Clinics Hospitals Corporation/Municipality/ Board Components of health services <ul style="list-style-type: none"> Environmental sanitation Health education Vital statistics M.C.H. antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act. Family welfare National health programmes School health services Occupational health Defense services Institutional services Systems of medicine and health care <ul style="list-style-type: none"> Allopathy Indian system of Medicine and Homeopathy Alternative health care systems like yoga, meditation, social and spiritual healing etc. Referral system 		
IV	25	<ul style="list-style-type: none"> Describe Community Health Nursing approaches and concepts Describe the roles and responsibility of Community health nursing Personnel 	<p>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</p> <ul style="list-style-type: none"> Approaches <ul style="list-style-type: none"> Nursing theories and nursing process Epidemiological approach Problems solving approach Evidence based approach Empowering people to care for themselves Concepts of Primary Health Care: <ul style="list-style-type: none"> Equitable distribution Community participation Focus on prevention Use of appropriate technology Multi-sectoral approach 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised field practice Participation in camps Group project 	<ul style="list-style-type: none"> Essay type Short Answers

Unit	Time Hrs.	Learning Objectives	Contents	Teaching Learning Activates	Assessment methods
			<ul style="list-style-type: none"> ❑ Roles and responsibilities of Community health nursing personnel in – ❑ Family health services ❑ Information Education communication (IEC) ❑ Management Information System (MIS): Maintenance of Records & reports ❑ Training and supervision of various categories of health workers ❑ National Health Programmes ❑ Environmental sanitation ❑ Maternal and child health and Family welfare ❑ Treatment of minor ailments ❑ School Health Services ❑ Occupational Health ❑ Organization of clinics, camps: Types, Preparation, Planning, conduct and evaluation ❑ Waste management in the center, clinics etc. • Home visit: Concept, Principles, Process, Techniques: Bag technique in home visit • Qualities of Community Health Nurse • Job Description of Community health nursing personnel 		
V	15	<ul style="list-style-type: none"> • Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and Maintain their health 	<p>Assisting individuals and groups to promote and maintain their health</p> <ul style="list-style-type: none"> • Empowerment for self care of individuals, families and groups in- <p>A- Assessment of self and family</p> <ul style="list-style-type: none"> ❑ Monitoring growth and development <ul style="list-style-type: none"> ○ Mile stones ○ Weight measurement ○ Social development ❑ Temperature and Blood pressure monitoring ❑ Menstrual cycle ❑ Breast self examination and testicles examination ❑ Warning Sign of various diseases ❑ Tests: Urine for sugar and albumin, blood sugar <p>B- Seek health services for</p> <ul style="list-style-type: none"> ❑ Routine checkup ❑ Immunization Counseling 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised filed practice • Individual group / family / community health education 	<ul style="list-style-type: none"> • Essay type • Short Answers

Unit	Time Hrs.	Learning Objectives	Contents	Teaching Learning Activates	Assessment methods
			<ul style="list-style-type: none"> □ Diagnosis □ Treatment □ Follow up <p>C- Maintenance of health Records for self and family</p> <p>D- Continue medical care and follow up in community for various diseases and disabilities.</p> <p>E - Carryout therapeutic procedures as prescribed/required for self and family</p> <p>F- Waste Management</p> <ul style="list-style-type: none"> • Collection and disposal of waste at home and community <p>G- Sensitize and handle social issues affecting health and development for self and family</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse <p>H- Utilize community resources for self and family</p> <ul style="list-style-type: none"> • Trauma services • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 		
VI	20	<ul style="list-style-type: none"> • Describe national health and family welfare programmes and role of a nurse 	<p>National health and family welfare programmes and the role of a nurse</p> <ol style="list-style-type: none"> 1. National ARI programme 2. Revised National Tuberculosis Control programme (RNTCP) 3. National Anti-Malaria programme 4. National Filaria Control programme 5. National Guinea worm eradication programme 6. National Leprosy eradication 	<ul style="list-style-type: none"> • Lecture discussion • Participation in national health programmes • Field visits 	<ul style="list-style-type: none"> • Essay type • Short Answer

Unit	Time Hrs.	Learning Objectives	Contents	Teaching Learning Activates	Assessment methods
		<ul style="list-style-type: none"> Describe the various health schemes in India. 	<ul style="list-style-type: none"> 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 programmes historical development organization, administration, research, and constraints. 13. National water supply and sanitation programme 14. Minimum Need programme 15. National Diabetics control programme 16. Polio Eradication: Pulse Polio Programme 17. National Cancer Control Programme 18. Yaws Eradication Programme 19. National Nutritional Anemia Prophylaxis programme 20. 20 point programme 21. ICDS programme 22. Mid-day meal applied nutritional programme 23. National mental health programme Health schemes <ul style="list-style-type: none"> ESI CGHS Health insurance 		
VII	5	<ul style="list-style-type: none"> Explain the roles and functions of various national and international health agencies 	<ul style="list-style-type: none"> Health Agencies International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, Care etc. National – Indian red cross, Indian Council for child welfare, family planning Association of India (FPAI), Tuberculosis Association of India. Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women’s conference, Blind Association of India etc. 	<ul style="list-style-type: none"> Lecture discussion Field visits 	<ul style="list-style-type: none"> Essay type Short Answers

Community Health Nursing - II- Practical

Placements: Fourth year

Time: - Practical -135 hrs
Internship- 195 hrs.

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Community health nursing	1 week for urban 4 week for rural	<ul style="list-style-type: none"> Identify community profile Identify prevalent communicable and non communicable disease Diagnose health needs of Individual, families and community Plan, provide and evaluate care Participate in school health programmes Participate in national health programmes Organize group for self help and involve clients in their own health activities. Provide family welfare services Counsel and educate individual, family and community Collect Vital health statistics Maintain Records & Reports 	<ul style="list-style-type: none"> Community health survey Community diagnosis family care: Home adaptation of common procedures Home visit: Bag technique Organize and conduct clinics- antenatal, postnatal, well baby clinic, camps etc Screen manage and referrals for: <ul style="list-style-type: none"> High risk mothers and neonates Accidents and emergencies Illnesses: Physical and mental Disabilities Conduct delivery at center / home: Episiotomies 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 workers Provide family welfare services: insertion of IUD Counsel and teach individuals, family and community about: HIV, TB, Diabetes, hypertension, mental health, adolescents, elderly health, Physically and mentally challenged individuals etc Collect and calculate vital health statistics 	<ul style="list-style-type: none"> Community survey report-1 Family care study-1 Project-1 Health talk-1 Case book recoding 	<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

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> • Document and maintain <ul style="list-style-type: none"> □ Individual, family and administrative records. □ Write reports – center, diseases, national health programme/projects. 		

Placement: Internship

Time: 195 hrs (4 weeks)

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

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

Nursing Research and Statistics

Placements: Fourth year

Internship

Time: Theory - 45 hrs.

Practical - 45 hrs.

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

Unit	Time (hrs.)	Learning Objectives	Content	Training Learning Activities	Assessment Methods
I	4	<ul style="list-style-type: none"> Describe the concept of research, terms, need and areas of research in nursing Explain the steps of research process. 	Research and research process <ul style="list-style-type: none"> Introduction and need for nursing research Definition of Research & nursing research Steps of scientific method Characteristics of good research Steps of Research process-overview 	<ul style="list-style-type: none"> Lecture Discussion Narrate steps of research process followed from examples of published studies 	<ul style="list-style-type: none"> Short answer Objective type
II	3	<ul style="list-style-type: none"> Identify and state the research problem and objectives 	Research Problems/Question <ul style="list-style-type: none"> Identification of problem area Problem statement Criteria of a good research problem. Writing objective 	<ul style="list-style-type: none"> Lecture discussion Exercise on writing statement of problem and objectives 	<ul style="list-style-type: none"> Short answer Objective type
III	3	<ul style="list-style-type: none"> Review the related literature 	Review of Literature <ul style="list-style-type: none"> Location Sources On line search; CINHALL, COCHRANE etc. Purposes Method of review 	<ul style="list-style-type: none"> Lecture discussion Exercise on reviewing one research report/article for a selected research problem Prepare annotated bibliography 	<ul style="list-style-type: none"> Short answer Objective type
IV	4	<ul style="list-style-type: none"> Describe the research approaches and designs 	Research approaches and designs <ul style="list-style-type: none"> Historical, survey and experimental Qualitative and Quantitative designs 	<ul style="list-style-type: none"> Lecture discussion Explain types of research approaches used from examples of published and unpublished research studies with rationale. 	<ul style="list-style-type: none"> Short answer Objective type
V	8	<ul style="list-style-type: none"> Explain the sampling process Describe the methods of data collection 	Sampling and data collection Definition of population, sample, Sampling criteria, factors influencing sampling Process, types of sampling	<ul style="list-style-type: none"> Lecture discussion Reading assignment on examples of data collection tools Preparation of sample data collection tool 	<ul style="list-style-type: none"> Short answer Objective type

Unit	Time (hrs.)	Learning Objectives	Content	Training Learning Activities	Assessment Methods
			Techniques. <ul style="list-style-type: none"> • Data- why, what, from, whom, when and where to collect. • Data Collection methods and instruments: <ul style="list-style-type: none"> □ Methods of data collection □ Questioning, interviewing □ Observations, record analysis and measurement □ Types of instruments □ Validity & Reliability of the Instrument □ Pilot study □ Data collection procedure 	<ul style="list-style-type: none"> • Conduct group research project 	
VI	4	Analyze, Interpret and summarize the research data	Analysis of data: <ul style="list-style-type: none"> • Compilation, Tabulation, classification, summarization, presentation, interpretation of data 	<ul style="list-style-type: none"> • Lecture discussion • Preparation of sample table. 	<ul style="list-style-type: none"> • Short answer • Objective type
VII	15	<ul style="list-style-type: none"> • Explain the use of statistics, scales of measurement and graphical presentation of data • Describe the measures of central tendency and variability and methods of correlation. 	Introduction to statistics <ul style="list-style-type: none"> • Definition, use of statistics, scales of measurement. • Frequency distribution and graphical presentation of data • Mean, Median, Mode, Standard deviation • Normal probability and tests of significance • Co-efficient of correlation. • Statistical packages and its application 	<ul style="list-style-type: none"> • Lecture discussion • Practice on graphical presentations • Practice on computation of measures of central tendency, variability & correlation 	<ul style="list-style-type: none"> • Short answer • Objective type
VIII	4	<ul style="list-style-type: none"> • Communicate and utilize the research findings 	Communication and utilization of Research <ul style="list-style-type: none"> • Communication of research findings <ul style="list-style-type: none"> □ Verbal report □ Writing research report <ul style="list-style-type: none"> □ Writing scientific article/paper <ul style="list-style-type: none"> - Critical review of published research - Utilization of research findings 	<ul style="list-style-type: none"> • Lecture discussion • Read/Presentations of a sample published/unpublished research report • Writing group research project 	<ul style="list-style-type: none"> • Short answer • Objective type • Oral presentation • Assessment of group research project

Management of Nursing Services and Education

Placement: Fourth year

Time: Theory - 90 hrs.

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

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

Unit	Time (hrs.)		Learning Objectives	Content	Learning Teaching Activate	Assessment methods
	Th.	Pr.				
III	8	20	<ul style="list-style-type: none"> Describe the Management of nursing service in the hospital and Community 	<p>Management of nursing services in the hospital and Community</p> <ul style="list-style-type: none"> 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, deployment, retaining, promoting, superannuation etc. Categories of nursing personnel including job description of all levels Patient/population classification systems Patients/ population assignment and nursing care responsibilities Staff development and welfare Budgeting: proposal, projecting requirements for staff, equipments and supplies for - <ul style="list-style-type: none"> Hospital and patient care units Emergency and disaster management Material Management; procurement, inventory control, auditing and maintenance in - <ul style="list-style-type: none"> Hospital and patient care units Emergency and disaster management Directing and leading: delegation, participatory management - <ul style="list-style-type: none"> Assignments, rotations, delegations Supervision & guidance Staff development and welfare 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Simulated Exercises Case studies Supervised practice in ward –writing indents, preparing duty roaster, ward supervision Assignment on duties and responsibilities of ward sister Writing report 	<ul style="list-style-type: none"> Essay type Short answers Assessment of problem solving Exercises, Assessment of the assignment Performance evaluation by ward sister with rating scale

Unit	Time (Hrs.)		Learning Objectives	Content	Learning Teaching Activate	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> □ Maintenance of discipline • Controlling/Evaluation: <ul style="list-style-type: none"> □ Nursing Rounds/Visits, nursing protocols, manuals □ Quality Assurance Model, documentation □ Records and reports performance appraisal 		
IV	5		<ul style="list-style-type: none"> • Describe the concepts, theories and techniques of Organizational behaviour and human relations 	<p>Organizational behaviour and human relations</p> <ul style="list-style-type: none"> • Concepts and theories of organizational behaviour • Review of Channels of Communication • Leadership styles • Review of Motivation; concepts and theories • Group dynamics • Techniques of; <ul style="list-style-type: none"> □ Communication; and □ Interpersonal relationships □ Human relations; • Public relations in Context of nursing • Relations with professional associations and employee unions and Collective bargaining 	<ul style="list-style-type: none"> • Lecture Discussion • Role plays • Group games • Self Assessment • Case discussion • Practice Session 	<ul style="list-style-type: none"> • Essay type • Short answers • Assessment of problem solving
V	5	5	<ul style="list-style-type: none"> • Participate in planning and organizing in service education Programme 	<p>In Service education</p> <ul style="list-style-type: none"> • Nature & scope of in-service education programme. • Organization of in-service education • Principles of adult learning • Planning for in-service education Programme, Techniques, methods & Evaluation of staff education Programme, • Preparation of report 	<ul style="list-style-type: none"> • Lecture Discussion • Plan & conduct an education session for in service nursing personnel 	<ul style="list-style-type: none"> • Short Answers • Objective type • Assess the planning & conduct of the educational session

Unit	Time (Hrs.)		Learning Objectives	Content	Learning Teaching Activate	Assessment methods
	Th.	Pr.				
VI	10		<ul style="list-style-type: none"> Describe management of Nursing educational institutions 	<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 <ul style="list-style-type: none"> Philosophy/ Objectives Organization Structure Committees <ul style="list-style-type: none"> Physical facilities College/School Hostel <ul style="list-style-type: none"> Students Selection Admission Guidance and Counseling Maintaining discipline <ul style="list-style-type: none"> Faculty and staff <ul style="list-style-type: none"> Selection Recruitment Job description Placement Performance appraisal Development and welfare Budgeting Equipments and supplies: audiovisual equipments, laboratory equipment, books, journals etc. Curriculum; Planning, implementation and evaluation, Clinical facilities Transport facilities 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 Short Answers
VII	10		<ul style="list-style-type: none"> Describe the ethical and legal responsibilities of a professional nurse 	<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 	<ul style="list-style-type: none"> Lecture discussion Case discussion Panel discussion 	<ul style="list-style-type: none"> Short Answers Assessment of critical incidents

Unit	Time (Hrs.)		Learning Objectives	Content	Learning Teaching Activate	Assessment methods
	Th.	Pr.				
			<ul style="list-style-type: none"> • Explain the nursing practice standards 	<ul style="list-style-type: none"> Professional nurse □ Regulatory bodies; INC, SNC Acts: - constitution, functions □ Current trends and issues in nursing • Professional ethics □ Code of ethics; INC, ICN □ Code of Professional conduct; INC, ICN • Practice standards for Nursing; INC • Consumer protection act • Legal Aspects in nursing <ul style="list-style-type: none"> □ Legal terms related to practice; registration and licensing □ Laws related to nursing practice; Breach and penalties □ Malpractice and negligence 	<ul style="list-style-type: none"> • Role plays Critical incidents • Visit to INC/ SNRCs 	
VIII	3		<ul style="list-style-type: none"> • Explain the various Opportunities for professional advancement 	<p>Professional Advancement:</p> <ul style="list-style-type: none"> • Continuing education • Career Opportunities • Collective bargaining • Membership with professional organizations; National and International • Participation in research activities • 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"> • Short Answers • Assessment of critical incidents