

Syllabus

Basic B.Sc. Nursing

**VINAYAKA MISSION'S
RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY)**

(Declared under section 3 of the UGC Act, 1956)

2016-2017 onwards

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Philosophy

VMRF-DU 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 have a 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 needs of the people, planning and providing quality care in collaboration with other 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 of 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 and groups.

Undergraduate nursing program is broad based education within an academic framework specifically directed to the development of critical thinking skills, competencies and 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 behavioural 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 and groups.
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 standards 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 studies 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 the admission.

2. The minimum educational requirements shall be the passing of:

Higher Secondary school certificate Examination (12 years 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 Science (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 practical	=	48 hours per week
Hours available per academic year	=	1480 (37 weeks x 40 hours)

Course of instruction

First Year

Subject	Theory (In hrs) (class and lab)	Practical (In hrs) (clinical)	(In hrs)
1. * English	60		
2. Anatomy	60		
3. Physiology	60		
4. Nutrition	60		
5. Biochemistry	30		
6. Nursing Foundations	265+200	450	
7. Psychology	60		
8. Microbiology	60		
9. Introduction to Computers	45		
10. ** Hindi / Regional language	30		
11. Library work/Self Study			50
12. Co-curricular activities			50
Total Hours	930	450	100
Total hours = 1480 hrs.			

** *Optional*

Second Year

Subject	Theory (In hrs) (class and lab)	Practical (In hrs) (clinical)	(In hrs)
1. Sociology	60		
2. Pharmacology	45		
3. Pathology & 4. Genetics	30 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. Nursing Research & Statistics	45	*45	
5. Library work / Self Study			50
6. Co-curricular activities			50
Total Hours	345	855	100
Total hours = 1300 hrs.			

* Project work

Fourth Year

Subject	Theory (In hrs) (class and lab)	Practical (In hrs) (clinical)	
1. Midwifery and Obstetrical nursing	90	360	
2. Community Health Nursing-II	90	135	
3. Management of Nursing Services and Education	60+30		
Total Hours	270	495	
Total hours = 765 hrs.			

Intern-Ship (Integrated Practice)**Practical = 30 hours per week**

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
Total Hours		1105	23
Total : 1870 hours			

Note:

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
2. Internship should be carried out as 8 hours per day @ 48 hours per week
3. Students during internship will be supervised by nursing teachers.
4. Fourth 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 and Biochemistry	3	25	75	100
3. Nursing Foundations	3	25	75	100
4. Psychology	3	25	75	100
5. Microbiology	3	25	75	100
6. English	3	25	75	100
7. Introduction to Computer	3	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 & 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
16. Nursing Research & Statistics	3	25	75	100
Practical & 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				
17. Midwifery and Obstetrical Nursing	3	25	75	100
18. Community Health Nursing - II	3	25	75	100
19. Management of Nursing Services and education	3	25	75	100
Practical & 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, pathology: Section A of Pharmacology with 38 marks, Section B of Pathology 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 marks 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 the 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 areas 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 to re-appear for both the papers (Theory and practical).

12. Maximum number of attempts permitted for each paper is 3 including first attempt
13. A candidate failing in more than two subjects will not be promoted 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 candidates for practical examination should not exceed 20 per day.
17. All practical examinations must be held in the respective clinical areas.
18. One internal and One external examiners should jointly conduct practical examination for each student
19. An examiner should be a lecturer or above in a college of nursing with M.Sc. (N) in concerned subject and minimum of 3 years of teaching experience. To be an examiner for nursing foundations course 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 Activities	Assessment methods
I	10	<ul style="list-style-type: none"> • Speak and write grammatically correct English 	<ul style="list-style-type: none"> • Review of Grammar • Remedial study of Grammar • Building Vocabulary • Phonetics • Public Speaking 	<ul style="list-style-type: none"> • Demonstrate use of dictionary • Class-room conversation • Exercise on use of Grammar • Practice in public speaking 	<ul style="list-style-type: none"> • Objective Type • Fill in the blanks • Para phrasing
II	30	<ul style="list-style-type: none"> • Develop ability to read understand and express meaningfully, the prescribed text 	<ul style="list-style-type: none"> • Read and comprehend prescribed course books 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> - Reading - Summarizing - Comprehension 	<ul style="list-style-type: none"> • Short Answers • Essay Types
III	10	<ul style="list-style-type: none"> • Develop writing skills 	<ul style="list-style-type: none"> • Various forms of composition <ul style="list-style-type: none"> - Letter writing - Note taking - Precis writing - Nurses notes - Anecdotal records - Diary writing - Reports on health problems etc., - Resume/CV 	<ul style="list-style-type: none"> • Exercises on writing <ul style="list-style-type: none"> - Letter writing - Nurses notes - Precis - Diary - Anecdote - Health problems - Story writing - Resume/CV • Essay writing <ul style="list-style-type: none"> - Discussion on written reports/documents 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list
IV	6	<ul style="list-style-type: none"> • Develop skill in spoken English 	<ul style="list-style-type: none"> • Spoken English <ul style="list-style-type: none"> - Oral report - Discussion - Debate - Telephonic conversation 	<ul style="list-style-type: none"> • Exercise on: <ul style="list-style-type: none"> • Debating • Participating in seminar, panel, symposium • Telephonic conversation 	<ul style="list-style-type: none"> • Assessment of the skills based on the check list
V	4	<ul style="list-style-type: none"> • Develop skill in 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 Activities	Assessment methods
I	5	<ul style="list-style-type: none"> Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands 	Introduction to Anatomical terms organization of the human body <ul style="list-style-type: none"> Human Cell structure Tissues – Definition, types, characteristics, classification, location, functions and formation Membranes and glands – classification and structure Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using charts, microscopic slides, Skeleton & torso Demonstrate cells, types of tissues membranes and glands Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
II	6	<ul style="list-style-type: none"> Describe the structure & function of bones and joints 	The Skeletal System <ul style="list-style-type: none"> Bones-types, structure, Axial & Appendicular Skeleton, Bone formation and growth Description of bones Joints – classification and structure Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using charts, skeleton, loose bones, and joints Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
III	7	<ul style="list-style-type: none"> Describe the structure and function of muscles 	The Skeletal System <ul style="list-style-type: none"> Types and structure of muscles Muscle groups Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using chart, models and films Demonstrate muscular movements Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
IV	6	<ul style="list-style-type: none"> Describe the structure and function of nervous system 	The Nervous System <ul style="list-style-type: none"> Structure of neurologia & neurons Somatic Nervous system <ul style="list-style-type: none"> Structure of brain, spinal chord, cranial nerves, spinal nerves, peripheral nerves Autonomic Nervous System – sympathetic, parasympathetic <ul style="list-style-type: none"> Structure, location Alterations in disease Applications and implication in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	6	<ul style="list-style-type: none"> Explain the structure & functions of sensory organs 	The Sensory Organs <ul style="list-style-type: none"> Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus) <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer question Objective type
VI	7	<ul style="list-style-type: none"> Describe the structure & function of circulatory and lymphatic system 	Circulatory and lymphatic system <ul style="list-style-type: none"> The Circulatory System <ul style="list-style-type: none"> Blood – Microscopic structure Structure of Heart Structure of blood vessels – Arterial & Venous System, Circulation : systemic, pulmonary, coronary Lymphatic system, <ul style="list-style-type: none"> Lymphatic vessels and lymph Lymphatic tissues <ul style="list-style-type: none"> Thymus gland Lymph nodes Spleen Lymphatic nodules <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	5	<ul style="list-style-type: none"> Describe the structure and functions of respiratory system 	The Respiratory System <ul style="list-style-type: none"> Structure of the organs of respiration Muscles of respiration : Intercostals and Diaphragm <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answers questions Objective type
VIII	6	<ul style="list-style-type: none"> Describe the structure and function of digestive system 	The Digestive System <ul style="list-style-type: none"> Structure of Alimentary tract and accessory organs of digestion <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> Lecture discussion Explain using models, torso, charts, slides, and films Demonstrate muscular movements Record book 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	4	<ul style="list-style-type: none"> Describe the structure & functions of excretory system 	The Excretory System (Urinary) <ul style="list-style-type: none"> Structure of Urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin Alterations in disease Applications and implication in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer questions Objective type
X	4	<ul style="list-style-type: none"> Describe the structure and functions of endocrine system 	The Endocrine System <ul style="list-style-type: none"> Structure of pituitary, pancreas, thyroid, parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer question Objective type
XI	4	<ul style="list-style-type: none"> Describe the structure and functions of reproductive system 	The Reproductive system including breast <ul style="list-style-type: none"> Structure of female reproductive organs Structure of male reproductive organs Structure of breast Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using models, Torso, charts, slides, specimens Record book 	<ul style="list-style-type: none"> Short answer question Objective type

Physiology

Placement – First Year

Time: Theory – 60 Hours

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

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Autonomic functions— Pain: somatic, visceral, and referred Autonomic learning and biofeedback Alterations in disease Applications and implications in nursing		
V	8	<ul style="list-style-type: none"> Describe the physiology of blood and functions of Heart Demonstrate blood cell count, coagulation, grouping Hb:BP and Pulse monitoring 	Circulatory System <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 Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using Charts, films Demonstration of Blood cell count, coagulation, grouping, Haemoglobin estimation, Heart conduction system. Measurement of pulse, BP 	<ul style="list-style-type: none"> Short answer questions Objective type
VI	6	<ul style="list-style-type: none"> Describe the physiology and mechanisms of respiration Demonstrates spirometry 	The Respiratory System <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 Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using charts, films Demonstration of spirometry 	<ul style="list-style-type: none"> Short answer questions Objective type
VII	6	<ul style="list-style-type: none"> Describes the physiology of digestive system Demonstrates BMR 	The Digestive System <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 Activities	Assessment methods
VIII	5	<ul style="list-style-type: none"> Describe 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 Applications 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
IX	4	<ul style="list-style-type: none"> Describe the physiology of sensory organs 	The Sensory Organs <ul style="list-style-type: none"> Functions of skin, eye, ear, nose, tongue, Alterations in disease Applications 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 Applications 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 and female reproductive system 	The Reproductive System <ul style="list-style-type: none"> Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. Functions of female reproductive organs; functions of breast, Female sexual cycle Introduction to embryology Functions of male reproductive organs, Male function in reproduction, Male fertility system, Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> Lecture discussion Explain using charts, 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 Immunological 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 and 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 Activities	Assessment methods
	Th.	Pr.				
I	4		<ul style="list-style-type: none"> Describe the relationship between nutrition and health 	Introduction <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 answers Objective type
II	2		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates 	Carbohydrates <ul style="list-style-type: none"> Classification Caloric value Recommended daily allowances Dietary sources Functions Digestion, absorption and storage, metabolism of carbohydrates Malnutrition : Deficiencies and Over consumption 	<ul style="list-style-type: none"> Lecture discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type
III	2		<ul style="list-style-type: none"> Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats 	Fats <ul style="list-style-type: none"> Classification Caloric value Recommended daily allowances Dietary sources Functions Digestion, absorption and storage, metabolism Malnutrition : Deficiencies and Over consumption 	<ul style="list-style-type: none"> Lecture discussion Explaining using charts 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th	Pr				
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
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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
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, regulations 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 - Preservation of nutrients Safe food handling-toxicity Storage of food Food preservation, food additives and its principles Prevention of food adulteration Act (PFA) Food standards Preparation of simple beverages and different types of food 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session 	<ul style="list-style-type: none"> Short answers Objective type Assessment of practice sessions
X	7	5	<ul style="list-style-type: none"> Describe and plan balanced diet for different categories of people 	Balanced diet <ul style="list-style-type: none"> Elements Food groups Recommended Daily Allowance Nutritive value of foods Calculation of balanced diet for different categories of people Planning menu Budgeting of food Introduction to therapeutic diets: Naturopathy – Diet 	<ul style="list-style-type: none"> Practice session Meal planning 	<ul style="list-style-type: none"> Exercise on menu planning
XI	4		<ul style="list-style-type: none"> Describe various national programmes related to nutrition Describe the role of nurse in assessment of nutritional status and nutrition education 	Role of nurse in nutritional programmes <ul style="list-style-type: none"> National programmes related to nutrition <ul style="list-style-type: none"> Vitamin A deficiency programme National iodine deficiency disorders (IDD) programme Mid-day meal programme Integrated child development scheme (ICDS) National and International agencies working towards food/nutrition - NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc Assessment of nutritional status Nutrition education and role of nurse 	<ul style="list-style-type: none"> Lecture discussion Explaining 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 Description: The Course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in diseases for practice of nursing.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> Describe the structure Composition and functions of cell Difference 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 - PH buffers 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answers questions Objective type
III	6	<ul style="list-style-type: none"> Explain the metabolism of carbohydrates 	Composition and metabolism of Carbohydrates <ul style="list-style-type: none"> Types, structure, composition and uses - Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides - Metabolism Pathways of glucose - Glycolysis - Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle - Glycogenolysis - Pentose phosphate Pathways (Hexose mono phosphate) - Regulation of blood glucose level Investigations and their interpretations 	<ul style="list-style-type: none"> Lecture discussion Demonstration of blood glucose monitoring 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
IV	4	<ul style="list-style-type: none"> Explain the metabolism of Lipids 	<p>Composition and metabolism of Lipids</p> <p>Types, structure, composition and uses of fatty acids</p> <ul style="list-style-type: none"> Nomenclature, Roles and Prostaglandins Metabolism of fatty acid Breakdown Synthesis <p>Metabolism of triacylglycerols</p> <p>Cholesterol metabolism</p> <ul style="list-style-type: none"> Biosynthesis and its Regulation Bile salts and bilirubin Vitamin D Steroid hormones <p>Lipoproteins and their functions</p> <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 Urea Cycle Hemes and chlorophylls Enzymes and co-enzymes charts <ul style="list-style-type: none"> Classification Properties Kinetics and inhibition Control <p>Investigations and their interpretations</p>	<ul style="list-style-type: none"> Lecture discussion using charts Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type
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 & transportation Normal concentration <p>Investigations and their interpretations</p>	<ul style="list-style-type: none"> Lecture discussion using charts Demonstration of laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	3	<ul style="list-style-type: none"> Describe the Immuno-chemistry 	Immunochemistry <ul style="list-style-type: none"> Immune response Structure and classification of immunoglobins Mechanism of antibody production Antigens: HLA typing Free radical and Antioxidants Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein Electrophoretic and Quantitative determination of immunoglobins – ELISA etc. Investigations and their interpretations	<ul style="list-style-type: none"> Lecture discussion Demonstrate laboratory tests 	<ul style="list-style-type: none"> Short answer questions Objective type

Nursing Foundations

Placement: First year

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

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> Describe the concept of health, illness and health care agencies 	Introduction <ul style="list-style-type: none"> Concept of Health: Health- illness continuum Factors influencing health Causes and risk factors for developing illness Body defences; Immunity and immunization Illness and illness Behaviour: Impact of illness on patient and family Health care services: Health Promotion and Prevention, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing care Health care teams Types of health care agencies Hospitals: Types organisation and Functions Health Promotion and Levels of Disease Prevention Primary health care and its delivery: Role of nurse 	<ul style="list-style-type: none"> Lecture discussion Visit to health care agencies 	<ul style="list-style-type: none"> Essay type Short answers Objective type
II	16	<ul style="list-style-type: none"> Explain concept and scope of nursing Describe values, code of ethics and professional conduct for 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 nurse Qualities of a nurse Categories of nursing personnel Nursing as a profession History of Nursing in India Values: Definition, types. Values clarification and values in professional Nursing: Caring and Advocacy. Ethics: <ul style="list-style-type: none"> Definition and ethics and Principles Code of ethics and professional conduct for nurse. 	<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 Objective	Content	Teaching Learning Activities	Assessment methods
III	4	<ul style="list-style-type: none"> • Explain the admission and discharge procedure • Performs admission and discharge procedure 	Hospital admission and discharge <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> - Unit and its preparation admission bed. - Admission procedure - Special considerations - Medico- legal issues - Roles and Responsibilities of the nurse. • Discharge from the hospital <ul style="list-style-type: none"> - Types: planned discharge, LAMA and abscond, Referrals and transfers - Discharge planning - Discharge procedure - Special considerations - Medico – legal issues - roles and Responsibilities of the nurse - Care of the unit after discharge 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess skills with check list • Clinical practical examination
IV	10	<ul style="list-style-type: none"> • Communicate effectively with patient, families and term members and maintain effective human relations (Projecting professional image) • Appreciate the importance of patient teaching in nursing 	Communications and Nursing patient relationship <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 - Barriers to effective communication • Helping Relationship (NPR): Dimensions of helping relationship. Phases of a helping relationship • Communicating effectively with patient, families and term members and maintain effective human relations with special reference to communicating with vulnerable group (children, women, physically and mentally challenged and elderly) • Patient Teaching: Importance, purposes, process, role of nurse and integrating teaching in nursing process. 	<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 Objective	Content	Teaching Learning Activities	Assessment methods
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 	The Nursing process <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: Applications 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 Outcomes, Selection of interventions: protocols and standing orders Writing the nursing care plan Implementation <ul style="list-style-type: none"> Implementing the plan of care Evaluation <ul style="list-style-type: none"> Outcome of care Review and modify Documentation and Reporting 	<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
VI	4	<ul style="list-style-type: none"> Describe the purpose, 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 Term Types of records: ward records, medical/ nursing records. Common Record – Keeping forms, Computerized documentation Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, organization, confidentiality. Methods of Recording, Reporting: Change- of shift reports: Transfer reports, incident reports Minimizing legal Liability through effective record keeping 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
VII	15	<ul style="list-style-type: none"> Describe principles and techniques of monitoring and maintaining vital signs Monitor and maintain vital signs 	Vital signs <ul style="list-style-type: none"> Guidelines for taking vital signs: Body temperature: <ul style="list-style-type: none"> Physiology, Regulation, factors, affecting body temperature. Assessment of body temperature: sites, equipments and technique, special considerations Temperature alternations: Hyperthermia, Heatstroke, Hypothermia Hot and cold applications Pulse: <ul style="list-style-type: none"> Physiology and Regulation. Characteristics of the pulse, Factors affecting pulse Assessment of pulse: sites, location. Equipments and technique, special considerations Alterations in pulse Respiration <ul style="list-style-type: none"> Physiology and Regulation, Mechanics of breathing characteristics of the respiration, Factors affecting respiration. Assessment of respirations: technique, special considerations Alternations in respirations 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 Alternations in blood pressure Recording of vital signs	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical examination
VIII	30	<ul style="list-style-type: none"> Describe purpose and process of health assessment Describe the health assessment of each body system 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 Objective	Content	Teaching Learning Activities	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 patient Describe the principles and techniques for meeting basic, Physiological and psychosocial needs of patient Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient 	Meeting needs of patient <ul style="list-style-type: none"> Basic needs (Activities of daily living) <ul style="list-style-type: none"> Providing safe and clean environment: <ul style="list-style-type: none"> Physical – environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control Reduction of physical hazards: fire, accidents Safety devices: Restraints, side rails, airways, trapez etc Role of nurse in providing safe and clean environment Hygiene: - <ul style="list-style-type: none"> Factors Influencing Hygienic Practice Hygienic care: Care of the Skin-Bath and pressure points, feet and nail, oral cavity, Hair Care, Eyes, Ears and Nose <ul style="list-style-type: none"> Assessment, Principles, Types, Equipments, Procedure, Special Considerations Patient environment: Room Equipment and linen, making patient beds <ul style="list-style-type: none"> Types of beds and bed making Comfort: - <ul style="list-style-type: none"> Factors Influencing comfort Comfort devices Physiological needs: <ul style="list-style-type: none"> Sleep and Rest: <ul style="list-style-type: none"> Physiology of sleep Factors affecting sleep Promoting Rest and sleep Sleep Disorders Nutrition:- <ul style="list-style-type: none"> Importance Factors affecting nutritional needs Assessment of nutritional needs : variables Meeting Nutritional needs : Principles equipment, procedures and special considerations 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice sessions Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
			<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 characteristic of urine - Factors influencing urination - Alteration in urinary elimination - Types and collection of urine specimen : observation, urine testing - Facilitating urine elimination : assessment, types, equipment, procedure & the special consideration <ul style="list-style-type: none"> ◦ Providing urinal / bedpan ◦ 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 & characteristics of faeces - Factors affecting bowel elimination - Alteration in bowel elimination - Types and collection of specimen of faeces : observation - Facilitating bowel elimination : assessment, equipments, procedures and special consideration <ul style="list-style-type: none"> ◦ Passing of Flatus tube ◦ Enemas ◦ Suppository ◦ Sitz bath ◦ Bowel wash ◦ Care of Ostomies ▪ Mobility and Immobility <ul style="list-style-type: none"> - Principles of Body Mechanics - Maintenance of normal body Alignment and mobility - Hazards associated with immobility - Alteration in body Alignment and mobility - Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, method and special consideration, rehabilitation aspects <ul style="list-style-type: none"> ◦ Range of motion exercises ◦ Maintaining body alignment: Positions ◦ Moving ◦ Lifting ◦ Transferring ◦ Walking ◦ Restraints 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> ▪ Oxygenation <ul style="list-style-type: none"> - Review of Cardiovascular and respiratory - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special consideration <ul style="list-style-type: none"> ◦ Maintenance of patent airway ◦ Oxygen administration ◦ Suction ◦ Inhalations: dry and moist ◦ Chest physiotherapy and postural drainage ◦ Pulse oximetry ◦ CPR – Basic life support ▪ Fluid, Electrolyte, and Acid-Base Balances <ul style="list-style-type: none"> - Review of physiological Regulation of Fluid, Electrolyte, and Acid – Base Balance - Factors Affecting fluid, Electrolyte, and Acid – Base Balances - Alterations in Fluid, Electrolyte, and Acid- Base Balances - Nursing interventions in Fluid, Electrolyte, and Acid – Base Imbalances: assessment, types, equipment, procedure and special considerations <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, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing, ✓ Administering Blood transfusion ✓ Restriction of fluids • Psychosocial Needs <ul style="list-style-type: none"> ▪ 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 ▪ Recreational and diversional therapies 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	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 	Infection control in Clinical settings <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 Hospital acquired infection (Nosocomial infection) Concept of asepsis :medical asepsis, and surgical asepsis Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> Hand washing : simple, hand antisepsis and surgical antisepsis (scrub) Isolation: source and protective Personal protecting equipments: types, uses and technique of wearing and removing Decontamination of equipment &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 drugs and dosages within and between systems of measurements Perform care of wounds 	Administration of Medications <ul style="list-style-type: none"> General Principles/considerations <ul style="list-style-type: none"> Purposes of medication Principles:5 rights, special Considerations, Prescriptions, Safety in Administering Medications and Medication Errors Drug forms Routes of administration Storage and maintenance of drugs and Nurses responsibility Board classification of drugs 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
		Administer drugs by the following routes-oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous topical inhalation	<ul style="list-style-type: none"> • Therapeutic Effect, Side Effects, Toxic effects, Idiosyncratic Reactions, Drug Tolerance, Drug Interactions • Factors Influencing drug Actions • Systems of Drug Measurement : Metric system, Apothecary system, Household measurements, Solutions • Converting Measurements Units: Conversion within one system, Conversion between systems, Dosage Calculation • Terminologies and abbreviations used in prescriptions of medications • Oral Drugs Administration Oral, Sublingual and Buccal: Equipment, procedure • Parenteral <ul style="list-style-type: none"> - General principles: Decontamination and disposal of syringes and needles - Types of syringes, needles, canula, and infusion sets - Protection from Needle stick Injuries : giving Medications with a safety syringes - Routes of parenteral therapies <ul style="list-style-type: none"> Intradermal: purpose, site, equipment, procedure, special considerations Subcutaneous: purpose, site, equipment, procedure, special considerations Intramuscular : purpose, site, equipment, procedure, special considerations Intra Venous : purpose, site, equipment, procedure, special considerations -Advanced techniques: epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intra-arterial Role of nurse <ul style="list-style-type: none"> • Topical Administration: purposes, site, equipment, procedure, special considerations for - Application to skin 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Application to mucous membrane <ul style="list-style-type: none"> - Direct application of liquids- Gargle and swabbing the throat - Insertion of Drug into body cavity: Suppository/medicated packing in rectum/vagina - Instillations: Ear, Eye, Nasal, Bladder and Rectal - Spraying: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications) – purposes, types, equipment, procedure, special considerations - Recording and reporting of medications Administered 		
XIII	10	<p>* Describe the pre and post operative care of patients</p> <p>Explain the process of wound healing</p> <p>* Explain the principles and techniques of wound care</p> <p>* Explain the principles and techniques of wound care</p> <p>Perform care of wounds</p>	<p>Meeting needs of Perioperative patients</p> <ul style="list-style-type: none"> - Definition and concept of perioperative nursing - Preoperative phase <ul style="list-style-type: none"> - Preparation of patient for surgery - Intraoperative Operation theatre Set up and Environment Role of nurse - Post operative Phase - Recovery unit - Postoperative unit - Post operative care, <ul style="list-style-type: none"> • Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing • Surgical asepsis • Care of the wound: types, equipments, procedure and special considerations <ul style="list-style-type: none"> ▪ Dressing, Suture Care, ▪ Care of Drainage ▪ Application of Bandages, Binders, Splints & Slings - Heat and Cold Therapy 		

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
XIV	15	<ul style="list-style-type: none"> Explain care of patients having alterations in body functioning 	Meeting special needs of the patient <ul style="list-style-type: none"> Care of patients having alteration in <ul style="list-style-type: none"> Temperature (hyper and hypothermia); Types, assessment, Management Sensorium (Unconsciousness); Assessment, Management Urinary Elimination (retention and incontinence); Assessment, Management Functioning of sensory organs: (Visual & hearing impairment) Assessment of Self-Care ability Communication Methods and special considerations Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations Mental state (mentally challenged), assessment of Self-Care ability; Communication Methods and special considerations Respiration (distress); Types, Assessment, Management Comfort-(Pain)-Nature, Types, Factors influencing pain, Coping, Assessment, Management; Treatment related to gastrointestinal system : naso-gastric suction, gastric irrigation, gastric analysis 	<ul style="list-style-type: none"> Lecture discussion Case discussion Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
XV	5	<ul style="list-style-type: none"> Explain care of terminally ill patient 	Care of Terminally ill patient <ul style="list-style-type: none"> Concepts of Loss, Grief, Grieving Process Signs of clinical death Care of dying patient : special considerations <ul style="list-style-type: none"> Advance directives: euthanasia, will, dying declaration, organ donation etc Medico-legal issues Care of dead body: equipment, procedure and care of unit Autopsy Embalming 	<ul style="list-style-type: none"> Lecture discussion Demonstration Case discussion / Role play Practice session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type
XVI	6	<ul style="list-style-type: none"> Explain the basic concepts of conceptual and theoretical models of nursing 	Professional Nursing concepts and practices <ul style="list-style-type: none"> Conceptual and theoretical modes of nursing practice: Introduction to models – holistic model, health belief model, health promotion model etc Introduction to Theories in Nursing: Peplau's Henderson's Orem's Neuman's Roger's and Roy's Linking theories with nursing process 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answers

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 Supervised Clinical Settings.

[illegible]

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> • Prepare patient reports • Presents reports • Monitor vital signs • Perform health assessment of each body system 	<p>Write patient report</p> <ul style="list-style-type: none"> • Change-of shift reports, Transfer reports, Incident reports etc. • Presents patient report <p>Vital signs</p> <ul style="list-style-type: none"> • Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure <p>Health assessment</p> <ul style="list-style-type: none"> • Health history taking • Perform assessment: <ul style="list-style-type: none"> ◦ General ◦ Body systems • Use various methods of physical examination • Inspection, palpation, percussion, Auscultation, Olfaction • Identification of system wise deviations 	<ul style="list-style-type: none"> • Write nurses notes and present the patient report of 2-3 assigned patient • Lab practice • Measure Vital signs of assigned patient 	<ul style="list-style-type: none"> • Assessment of performance with rating scale • Assessment of each skill with checklist • Completion of activity record
		<ul style="list-style-type: none"> • Provide basic nursing care to patients 	<p>Prepare patient's unit:</p> <ul style="list-style-type: none"> • Prepare beds: <ul style="list-style-type: none"> ◦ Open, closed, occupied, operation, amputation, ◦ Cardiac, fracture, burn, Divided, & Fowlers bed • Pain assessment and provision for comfort <p>Use comfort devices 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/bedpan • Condom drainage • Perineal care • Catheterization • Care of urinary drainage <p>Bladder irrigation 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 	<ul style="list-style-type: none"> • Practice in lab & hospital • Simulated exercise on CPR manikin 	<ul style="list-style-type: none"> • Assessment of each skill with rating scale • Completion of activity record

Areas	Time (Hrs)	Object ives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> ◦ Assist patient 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> <p>Blood and blood component therapy</p> <p>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</p> <p>Perform lab tests:</p> <ul style="list-style-type: none"> • Urine: sugar, albumin, acetone • Blood :sugar (with strip/gluco-meter) <p>Hot and cold applications:</p> <p>Local and general Sitz bath</p> <p>Communicating and assisting with self-care of visually & hearing impaired patients</p> <p>Communicating and assisting with self-care of mentally challenged/disturbed patients</p> <p>Recreational and diversional therapies</p> <p>Caring of patient with alteration in sensorium</p>		

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

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

Psychology

Placement – First Year

Time: Theory – 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	<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 answer
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 behaviors of an organism/Integrated responses 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answer
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, law and theories, process, transfer, study habits Memory: Meaning, Types, Nature, Types, learner and learning. Factors influencing, Development Theories and methods of memorizing and Forgetting. Thinking: Types and levels, stages of development Relationship with language and communication Intelligence: Meaning, classification, uses, theories Aptitude: Concept, types, individual differences and variability Psychometric assessments of cognitive processes Alternations in cognitive processes Applications 	<ul style="list-style-type: none"> Lecture discussion Psychometric assessment Practices sessions 	<ul style="list-style-type: none"> Essay type Short answer

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	8	<ul style="list-style-type: none"> Describe motivation, emotions, stress, attitudes and their influence on behaviour 	Motivation and Emotional Processes: <ul style="list-style-type: none"> Motivation: meaning, concepts, types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution Emotions & stress <ul style="list-style-type: none"> Emotion: Definition, components, changes in emotions, theories, emotional adjustments, emotions in health and illness Stress : Stressors, cycle, effect, adaptation & coping Attitude: Meaning, nature, development, factors affecting <ul style="list-style-type: none"> Behaviour and attitudes Attitudinal change Psychometric assessments of emotions and attitudes Alterations in emotions Applications 	<ul style="list-style-type: none"> Lecture discussion Role plays Case Discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answer
V	7	<ul style="list-style-type: none"> Explain the concepts of personality and its influence on behaviour 	Personality <ul style="list-style-type: none"> Definitions, topography, types, Theories Psychometric assessments of personality Alternations in personality Applications 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Essay type Short answer
VI	7	<ul style="list-style-type: none"> Describe psychology of people during the life cycle 	Developmental Psychology <ul style="list-style-type: none"> Psychology of people at different age from infancy to old age Psychology of vulnerable individuals-challenged, women, sick, etc. Psychology of groups 	<ul style="list-style-type: none"> Lecture discussion Case Discussion 	<ul style="list-style-type: none"> Essay type Short answer

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	8	<ul style="list-style-type: none"> Describe the characteristics of Mentally health person Explain ego defence mechanisms 	Mental hygiene and mental health <ul style="list-style-type: none"> Concepts of mental hygiene and mental health Characteristics of mentally healthy person Warning signs of poor mental health Promotive and preventive mental health strategies and services Ego defence mechanisms and implications Personal and social adjustments Guidance and 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 answer
VIII	4	<ul style="list-style-type: none"> Explain the Psychological assessments and role of nurse 	Psychological assessment & tests <ul style="list-style-type: none"> Types, development, Characteristics, Principles, Uses, interpretations and Role of nurse in psychological assessment 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice sessions 	<ul style="list-style-type: none"> Assessment of practice

Microbiology

Placement – First Year

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

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	5		<ul style="list-style-type: none"> Explain concepts and principles of microbiology and their importance in nursing 	Introduction <ul style="list-style-type: none"> Importance and relevance to nursing Historical perspective Concepts and terminology Principles of microbiology 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Short answer Objective type
II	10	5	<ul style="list-style-type: none"> Describe structure, classification morphology and growth of bacteria Identify Micro-organisms 	General characteristics of Microbes <ul style="list-style-type: none"> Structure and classification of Microbes Morphological types Size and form of bacteria Motility Colonization Growth and nutrition of microbes <ul style="list-style-type: none"> Temperature Moisture Blood and body fluids Laboratory methods for Identification of Micro-organisms Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation Cultures: various medias 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Short answer Objective type
III	10	2	<ul style="list-style-type: none"> Describe the methods infection control Identify the role of nurse in hospital infection control programme 	Infection control <ul style="list-style-type: none"> Infection: sources, portals of entry and exit, transmission Asepsis Disinfection, Types and methods Sterilization: Types and Methods Historical perspective Chemotherapy and antibiotics Standard safety measures Biomedical waste management Role of Nurse Hospital acquired infection Hospital infection control programme <ul style="list-style-type: none"> Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc. 	<ul style="list-style-type: none"> Lecture discussion Demonstration Visits to CSSD Clinical practice 	<ul style="list-style-type: none"> Short answer Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
IV	12	4	<ul style="list-style-type: none"> Describe the different disease producing organisms 	Pathogenic organisms <ul style="list-style-type: none"> Micro-organisms <ul style="list-style-type: none"> Cocci-gram positive and gram negative Bacilli – gram positive and gram negative Spirochaete Mycoplasma Rickettsiae Chlamydiae Viruses Fungi – superficial and deep mycoses Parasites Rodents & vectors Characteristics, sources, 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 answer Objective type
V	8	4	<ul style="list-style-type: none"> Explain the concept of community, hyper sensitivity and immunization 	Immunity <ul style="list-style-type: none"> Immunity-Types, classification Antigen and antibody reaction Hypersensitivity – skin test Serological test Immunoprophylaxis Morphological types <ul style="list-style-type: none"> 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 answer Objective type

Introduction to Computers

Placement – First Year

Time: Theory – 45 Hours

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	3		<ul style="list-style-type: none"> Identify & define various concepts used in computer Identify application of computer in nursing 	Introduction <ul style="list-style-type: none"> Concepts of computers Hardware and software; trends and technology Application of computers in nursing 	<ul style="list-style-type: none"> Lecture discussion Demonstration 	<ul style="list-style-type: none"> Short answer 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 answer 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 Practice session 	<ul style="list-style-type: none"> Short answers Objective type Practical Exam and Viva Voce
IV	1	3	<ul style="list-style-type: none"> Demonstrate use of internet and Email 	* Use of Internet and: e-mail	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session 	<ul style="list-style-type: none"> Short answers Objective type Practical Exam and Viva Voce
V	2	2	<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 answer 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 answer Objective type Practical Exam and Viva Voce

Sociology

Placement: Second year

Time: Theory – 60 Hours

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
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 Socialisation and individualization Personal disorganization 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answers
III	3	<ul style="list-style-type: none"> Describe the influence of culture and on health and disease 	Culture <ul style="list-style-type: none"> Nature of culture Evolution of culture Diversity and uniformity of culture Culture and socialization Transcultural society Influence on health and disease 	<ul style="list-style-type: none"> Lecture discussion Panel discussion 	<ul style="list-style-type: none"> Essay type Short answers
IV	4	<ul style="list-style-type: none"> Identify various social groups and their interactions 	Social groups and Processes <ul style="list-style-type: none"> The meaning and classification of groups Primary & Secondary Group In-group V/s. Out Group, Class Tribe, Caste Economic, Political, Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes Co-operation, Competition, conflict Accommodation, Assimilation & Isolation 	<ul style="list-style-type: none"> Lecture discussion 	<ul style="list-style-type: none"> Essay type Short answers
V	6	<ul style="list-style-type: none"> Explain the growth of population in India and its impact on health 	Population <ul style="list-style-type: none"> Society and population Population distribution in India- Demographic characteristics Malthusian theory of populations Population explosion in India and its impact on health status Family welfare programmes 	<ul style="list-style-type: none"> Lecture discussion Community identification 	<ul style="list-style-type: none"> Essay type Short answers Assessment of report on community identification

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
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 feature 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 types of communities in India, their practices and the impact on health 	Types of Communities in India (Rural, Urban and Regional) <ul style="list-style-type: none"> Features of Village community & characteristics of Indian Villages-panchayat system, social dynamics Community development project & planning Changes in Indian rural Life Availability of health facilities in rural and its impact on health and health practices Urban-community-features The growth of cities: Urbanisation and its impact on health and health practices Major Urban problems – Urban slums Region: Problems and impact on health 	<ul style="list-style-type: none"> Lecture discussion Visits to rural and urban community Community Survey 	<ul style="list-style-type: none"> Essay type Short answers Assessment of report on community survey

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
IX	4	<ul style="list-style-type: none"> Explain the process of social change 	Social Change <ul style="list-style-type: none"> Nature and process of Social Change Factors influencing social change: cultural change, cultural lag. Introduction to Theories of Social change: Linear, Cyclical, Marxian, Functional Role of Nurse-change agents 	<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 	Social Organization and social system <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 social control 	Social Control <ul style="list-style-type: none"> Nature and process of social control Political, Legal, Religious, Educational, Economics Industrial and Technological systems, Norms & values- Folkways & Mores customs, Laws and fashion 	<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
XII	15	<ul style="list-style-type: none"> Describe the role of the nurse in dealing with social problems in India 	Social Problems <ul style="list-style-type: none"> Social disorganization Control & planning : poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS Social Welfare programmes in India Role of Nurse 	<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 Objective	Content	Teaching Learning Activities	Assessment methods
I	3	Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration	Introduction to pharmacology <ul style="list-style-type: none"> • Definition • Sources • Terminology used • Types: Classification • Pharmacodynamics: Actions, therapeutic • Adverse, toxic • Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion • Review : Routes and principles of administration of drugs • Indian Pharmacopoeia: Legal issues • Rational use of drugs • Principles of therapeutics sociology in Nursing 	<ul style="list-style-type: none"> • Lecture discussion 	<ul style="list-style-type: none"> • Short answers • Objective type
II	6	<ul style="list-style-type: none"> • Explain chemotherapy of specific infections and infestations and Nurse's responsibilities 	Chemotherapy <ul style="list-style-type: none"> • Pharmacology of commonly used; <ul style="list-style-type: none"> - Penicillin - Cephalosporins - Aminoglycosides - Macrolide & Broad Spectrum antibiotics - Sulfonamides - Quinolones - Antiamoebic - Antimalarials - Anthelmintics - Antiscabies agents - Antiviral & anti-fungal agents - Antitubercular drugs - Anti leprosy drugs - Anti cancer drugs - Immuno – suppressants <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
III	2	<ul style="list-style-type: none"> • Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities 	Pharmacology of commonly used antiseptics, disinfectants and insecticides <ul style="list-style-type: none"> • Antiseptics: <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p> • Disinfectants • Insecticides 	<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 Objective	Content	Teaching Learning Activities	Assessment methods
IV	2	<ul style="list-style-type: none"> Describe Drugs acting Gastro Intestinal system and nurse's responsibilities 	Drugs acting on G.I.system <ul style="list-style-type: none"> Pharmacology of commonly used- <ul style="list-style-type: none"> Antiemetics Emetics Purgatives Antacids Cholinergic Anticholinergics Fluid and electrolyte therapy Anti diarrhoeal Histamines <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
V	2	<ul style="list-style-type: none"> Describe drugs used on Respiratory Systems and nurse's responsibilities 	Drugs used on Respiratory system <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 	Drugs used on Urinary System <ul style="list-style-type: none"> Pharmacology of commonly used <ul style="list-style-type: none"> Diuretics and antidiuretics Urinary antiseptics Cholinergic and anticholinergics Acidifiers and alkalinizers <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
VII	4	<ul style="list-style-type: none"> Describe Drugs used in Dead diction, emergency, deficiency of vitamins & minerals, poisoning or immunization and immuno suppression and nurse's responsibilities 	Miscellaneous <ul style="list-style-type: none"> Drugs used in de-addiction Drugs used in CPR and emergency Vitamins and minerals 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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
VIII	1	<ul style="list-style-type: none"> Describe drugs used on skin and mucous membranes and nurses responsibilities 	Drugs used on skin and mucous membranes <ul style="list-style-type: none"> Topical application for skin, eye, ear, nose and buccal cavity Antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	<ul style="list-style-type: none"> Lecture discussion Drug study/presentation 	<ul style="list-style-type: none"> Short answers Objective type
IX	8	<ul style="list-style-type: none"> Describe drugs used on Nervous system and nurse's responsibilities 	Drugs acting on Nervous system <ul style="list-style-type: none"> Basic & applied pharmacology of commonly used: Analgesics and Anaesthetics <ul style="list-style-type: none"> Analgesics <ul style="list-style-type: none"> Non steroidal anti-inflammatory (NSAID) drugs Antipyretics Hypnotics and sedatives <ul style="list-style-type: none"> Opioids Non-Opioids Tranquilizers General & local anesthetics Gases: Oxygen, nitrous, oxide, carbon-dioxide Cholinergic and anti-cholinergics: <ul style="list-style-type: none"> Muscle relaxants Major tranquilizers Anti-psychotics Antidepressants Anticonvulsants Adrenergics Noradregencis Mood stabilizers Acetylcholine Stimulants 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
X	5	<ul style="list-style-type: none"> Describe Drugs used on Cardio vascular system and nurse's responsibilities 	Cardiovascular drugs <ul style="list-style-type: none"> Haematinics Cardiotonics, Anti anginals Anti-hypertensive Vasodilators Anti-arrhythmics Plasma expanders Coagulants & anticoagulants Antiplatelets & thrombolytics Hypolipidemics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	<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 Objective	Content	Teaching Learning Activities	Assessment methods
XI	4	<ul style="list-style-type: none"> Describe drugs used for hormonal disorders and supplementation, conception 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' and oral hypoglycemics Thyroid supplements and suppressants Steroids, Anabolics Uterine stimulants and relaxants Oral contraceptives Other estrogen-progestrone preparations Corticotrophine & Gonadotropines Adrenaline Prostaglandins Calcitonins Calcium salts 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 type
XII	6	<ul style="list-style-type: none"> Demonstrate awareness of the common drugs used in alternative system of medicine 	<p>Introduction to Drugs used in alternative systems of medicine:</p> <ul style="list-style-type: none"> Ayurveda, Homeopathy, Unani and Siddha etc. 	<ul style="list-style-type: none"> Lecture discussion Observational visits 	<ul style="list-style-type: none"> Short answers Objective type

Pathology and Genetics

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

Section A – Pathology

Placement: Second year

Time: Theory – 30 Hours

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

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	3		<ul style="list-style-type: none"> Define the common terms used in pathology Apprentice the deviations from normal to abnormal structure and functions of the body system 	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 grow Neoplasm <ul style="list-style-type: none"> Normal and Cancer cell Benign and Malignant growth In situ carcinoma Disturbances of fluid and electrolyte imbalance 	<ul style="list-style-type: none"> Lecture discussion Explain using charts 	<ul style="list-style-type: none"> Short answers Objective type
II	10	5	<ul style="list-style-type: none"> Explain pathological changes in disease conditions of various systems 	Special pathology <ul style="list-style-type: none"> Pathological changes in disease conditions of various systems Respiratory tract <ul style="list-style-type: none"> Tuberculosis, Bronchitis, Pleural effusion and pneumonia Lung abcess, emphysema, bronchiectasis Bronchial asthma, chronic obstructive Pulmonary disease & humours Cardio Vascular system <ul style="list-style-type: none"> pericardial effusion Rheumatic heart disease Infective endocarditis atherosclerosis Ischemia, infarction & aneurysm Gastro Intestinal Tract <ul style="list-style-type: none"> Peptic ulcer, typhoid Carcinoma of GI tract-buccal, Esophageal, Gastric & intestinal Liver, Gall bladder & pancreas <ul style="list-style-type: none"> Hepatitis, Chronic liver abscess, cirrhosis Tumours of liver gall bladder and pancreas Cholecystitis 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, slides, specimen, X-rays and Scans Visit to Pathology lab, endoscopy unit and OT 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> • Kidneys & Urinary tract <ul style="list-style-type: none"> - Glomerulonephritis, pyelonephritis, - Calculi, renal failure, renal carcinoma & cystitis • Male genital systems <ul style="list-style-type: none"> - Cryptorchidism, testicular atrophy - Prostatic hyperplasia, carcinoma • Female genital system <ul style="list-style-type: none"> - Fibroids - Carcinoma cervix and Endometrium - Vesicular mole, choriocarcinoma - Ectopic gestation - Ovarian cyst & tumours • Cancer Breast <p>Central Nervous system</p> <ul style="list-style-type: none"> - Hydrocephalus - Meningitis, encephalitis - Vascular disorder – thrombosis, embolism - Stroke, paraplegia, quadriplegia - Tumours, meningiomas - gliomas <ul style="list-style-type: none"> • Metastatic tumour • Skeletal system <ul style="list-style-type: none"> - Bone healing, osteoporosis - osteomyelitis • Arthritis & tumours 		<ul style="list-style-type: none"> • Short answers • Objective type
III	4	3	<ul style="list-style-type: none"> • Describe various laboratory tests in assessment and monitoring of disease conditions 	<p>Clinical pathology</p> <ul style="list-style-type: none"> • Various blood and bone marrow tests in assessment and monitoring of disease conditions <ul style="list-style-type: none"> - Hemoglobin - RBC, White cell & platelet counts - Bleeding time, clotting time and prothrombine time - Blood grouping and cross matching - Blood chemistry - Blood culture - Serological and immunological tests - Other blood tests - Examination of Bone marrow - Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Visit to Clinical Pathology & Biochemistry lab and Blood bank 	<ul style="list-style-type: none"> • Short answers • Objective type

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

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 Objective	Content	Teaching Learning Activities	Assessment methods
I	3	<ul style="list-style-type: none"> Explain nature, principles and perspectives of heredity 	Introduction <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 type
II	3	<ul style="list-style-type: none"> Explain Maternal, prenatal and genetic influences on development of defects and diseases 	Maternal, prenatal and genetic influences on development of defects and diseases <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 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 genetic defects and diseases in neonates and children 	Genetic testing in neonates and Children <ul style="list-style-type: none"> Screening for: <ul style="list-style-type: none"> Congenital abnormalities Development delay Dysmorphism 	<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 Objective	Content	Teaching Learning Activities	Assessment methods
IV	3	<ul style="list-style-type: none"> Identify genetic disorders in adolescents and adults heredity 	Genetic conditions of adolescents and adults <ul style="list-style-type: none"> Cancer genetics – Familiar 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 	Services related to Genetics <ul style="list-style-type: none"> Genetic testing Human genome project Gene therapy The Eugenics movement Genetic Counselling Legal and Ethical issues Role of nurse 	<ul style="list-style-type: none"> Lecture discussion 	<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 varieties of health care settings and at home

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	15	<ul style="list-style-type: none"> 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 	Introduction: <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 Disease (ICD-10 or later version), Acute illness Chronic illness & Terminal illness, stages of illness. Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process. Role of nurse. Patient and family in care of adult patient Role and responsibilities of a nurse in medical surgical settings. <ul style="list-style-type: none"> Outpatient department In-patient unit Intensive care unit Home and community settings Introduction to medical surgical asepsis <ul style="list-style-type: none"> Inflammation and Infection Immunity Wound healing Care of surgical patient <ul style="list-style-type: none"> 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 Objectives type Assessment of skills with check list
II	15	<ul style="list-style-type: none"> Describe the common signs, symptoms, problems and their Specific nursing interventions 	Common signs and symptoms and management <ul style="list-style-type: none"> Fluid and electrolyte imbalance Vomiting Dyspnea and cough, respiratory obstruction Fever Shock Unconsciousness, Syncope Pain Incontinence Edema Age related problems-geriatric 	<ul style="list-style-type: none"> Lecture discussion Seminar Case discussion 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
III	20	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of respiratory systems 	Nursing management (adults including elderly) with respiratory problems <ul style="list-style-type: none"> Review of anatomy and physiology of respiratory system, Nursing Assessment- History and physical assessment Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of adults including elderly with - <ul style="list-style-type: none"> Upper Respiratory tract infections Bronchitis Asthma Emphysema Empyema Atelectasis Chronic Obstructive Pulmonary Diseases (COPD) Bronchiectasis Pneumonia 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 Case discussion/ Seminar Health education Supervised clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay type Short answers Objectives type Assessment of skills with check list Assessment of patient management problem
IV	30	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of digestive systems 	Nursing management of patient (adults including elderly) with disorders of digestive system <ul style="list-style-type: none"> Review of anatomy and physiology of digestive system Nursing Assessment- History and physical assessment Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management Disorders of <ul style="list-style-type: none"> Oral cavity- lips, gums, tongue, salivary glands and teeth Oesophagus- inflammation, stricture, obstruction, bleeding and tumors Stomach and duodenum/hernia, gastritis, peptic and duodenal ulcer, bleeding tumors Pyloric stenosis 	<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 	<ul style="list-style-type: none"> Essay types Short answers Objectives type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> ❑ Small intestinal disorders inflammation and infection enteritis, malabsorption, obstruction, tumors and perforation ❑ Large intestinal disorder 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, access, and tumors ❑ Liver, inflammation, cyst, abscess cirrhosis, portal hypertension, stones and tumors. ❑ Gall bladder, inflammation, obstruction, stones and tumors <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system</p>		
V	30	<ul style="list-style-type: none"> ▪ Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems ▪ Describe the vascular conditions and its nursing management 	<p>Nursing management (adults including elderly) with blood and cardio vascular problems</p> <ul style="list-style-type: none"> ▪ Review of anatomy and physiology of blood and cardio vascular system, ▪ Nursing Assessment- History and physical assessment ▪ Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of adults management of – ▪ Vascular system <ul style="list-style-type: none"> ❑ Hypertension, ❑ Hypotension ❑ Arteriosclerosis ❑ Raynaud's disease ❑ Aneurism and peripheral vascular disorders <p>Heart</p> <ul style="list-style-type: none"> ▪ Coronary artery diseases <ul style="list-style-type: none"> - Ischemic heart disease - Coronary atherosclerosis - Angina pectoris - Myocardial infarction 	<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 blood bank • Participation in blood donation camps • Counseling 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> ▪ Valvular disorders of the heart <ul style="list-style-type: none"> ❑ Congenital and acquired ❑ Rheumatic Heart diseases ▪ Endocarditis, Pericarditis Myocarditis ▪ Cardio Myopathies ▪ Cardiac dysrhythmias, Heart Block • Congestive cardiac failure <ul style="list-style-type: none"> Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade • Cardiac emergencies and arrest • Cardio Pulmonary Resuscitation (CPR) • Blood <ul style="list-style-type: none"> ❑ Anaemias ❑ Polueythemia ❑ 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 Organ donation, retrieval and banking <p>Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders</p>		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VI	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of genitor- urinary system 	Nursing management of patient (adults including elderly) with genitor-urinary problems <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 and nursing management of – <ul style="list-style-type: none"> Nephritis Nephrotic syndrome Nephrosis Renal calculus Tumors Acute renal failure Chronic renal failure End stage renal disease Dialysis, renal transplant Congenital disorders, urinary infections Benign prostate hypertrophy Disorders of ureter, urinary bladder and urethra- inflammation, infection, stricture, obstruction, tumor, prostrate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genitourinary disorders	<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 	<ul style="list-style-type: none"> Essay types Short answers Objectives type Assessment of skills with check list Assessment of patient management problem
VII	5	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of male reproductive system 	Nursing management of disorders of male (adults including elderly) reproductive system <ul style="list-style-type: none"> Review of anatomy and physiology of male reproductive system Nursing Assessment- History and physical assessment Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of adults management of disorders of male reproductive system Congenital malformations, cryptorchidism Hyposadiasis, epispadiasis Infections Testis and adjacent structures 	<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 	<ul style="list-style-type: none"> Essay types Short answers Objectives type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Penis Prostate: inflammation, infection, hypertrophy, tumor Sexual Dysfunction Infertility Contraception Breast; gynecomastia, tumor Climacteric changes special therapies, alternative therapies <p>Nursing procedures Drugs used in treatment of disorders of male reproductive system</p>		
VIII	10	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of male 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 and nursing management of adults management of – <ul style="list-style-type: none"> Disorders of Thyroid and parathyroid Diabetes mellitus Diabetes insipidus Adrenal tumor Pituitary disorders. Special therapies, alternative therapies <p>Nursing procedures Drugs used in treatment of disorders of endocrine system</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, slides Models, films, slides Demonstration Practice session Case discussion/ seminar Health education Supervised clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay types Short answers Objectives 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 male reproductive system 	<p>Nursing management of patient (adults including elderly) with disorders of Integumentary system</p> <ul style="list-style-type: none"> Review of anatomy and physiology of Skin and its appendages Nursing Assessment- History and physical assessment Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of disorders of skin and its appendages- <ul style="list-style-type: none"> Lesions and abrasions Infection and infestations; Dermatitis 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, slides Models, 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 Activities	Assessment Methods
			<ul style="list-style-type: none"> ❑ Dermatomes; infectious and Non infections “inflammatory dermatomes” ❑ Acne vulgaris ❑ Allergies and Eczema ❑ Psoriasis ❑ Malignant melanoma ❑ Alopecia <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of integument system</p>		
X	15	<ul style="list-style-type: none"> ▪ Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adult including elderly) with disorders of musculo skeletal system 	<p>Nursing management of patient (adults including elderly) with musculoskeletal problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of musculoskeletal system, • Nursing Assessment- History and physical assessment • Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of adults management of – • Disorders of : <ul style="list-style-type: none"> ❑ Muscles, Ligaments and Joints – inflammation, infection, trauma ❑ Bones- inflammation, infection, dislocation, fracture, tumor 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, alternative therapies 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 c • Case discussion/ seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay types • Short answers • Objectives type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
XI	10	<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 male reproductive system 	Nursing management (adults including elderly) with Immunological problems <ul style="list-style-type: none"> Review of Immune system, Nursing Assessment- History and physical assessment Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, surgical dietetics and nursing management of adults management of – <ul style="list-style-type: none"> Immunodeficiency disorder. Primary immuno deficiency. Phagocytic dysfunction B-cell and T- cell deficiencies Secondary immunodeficiencies Acquired immunodeficiency syndrome (AIDS) Incidence of HIV & AIDS Epidemiology Transmission- Prevention of Transmission Standard Safety precautions Role of nurse; Counseling Health education and home care consideration National AIDS control program- NACO, various national and international agencies Infection control program Rehabilitation. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, Models, films, slides Demonstration Practice session Case discussion/ seminar Health education Supervised clinical practice Drug book/ presentation Orientation visit to hospital Control system 	<ul style="list-style-type: none"> Essay types Short answers Objective type Assessment of skills with check list 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 (adult including elderly) with communicable diseases. 	Nursing management of patient (adults including elderly) with Communicable Diseases <ul style="list-style-type: none"> Overview of infectious disease, the infectious process, Nursing Assessment- History and physical assessment Epidemiology, infections process, clinical manifestations, diagnosis, treatment, prevention and dietetics, Control and eradication of common Communicable diseases – <ul style="list-style-type: none"> Tuberculosis Diarrhoeal diseases Hepatitis A-E Herpes Chickenpox Smallpox Typhoid Meningitis 	<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 	<ul style="list-style-type: none"> Essay types Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> ❑ Gas gangrene ❑ Leprosy ❑ Dengue ❑ Plague ❑ Malaria ❑ Diphtheria ❑ Pertussis ❑ Poliomyelitis ❑ Measles ❑ Mumps ❑ Influenza ❑ Tetanus ❑ Yellow fever ❑ Filariasis ❑ HIV, AIDS <ul style="list-style-type: none"> • Reproductive Tract infections • Special infection control measures; Notification, Isolation, Quarantine, Immunization, infectious Disease Hospitals <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of communicable diseases.</p>		
XIII	25	<ul style="list-style-type: none"> ▪ Describe the Organization and physical set up of operation theatre ▪ Identify the various instruments and equipments used for common surgical procedures ▪ Describe the infection control measures in the operation theatre 	<p>Peri Operative nursing:</p> <ul style="list-style-type: none"> • Organization and Physical set up of the Operation Theatre (OT): <ul style="list-style-type: none"> ❑ Classifications ❑ O.T. DESIGN ❑ Staffing ❑ Members of the OT team ❑ Duties and responsibilities of nurse in O.T. ❑ Principles of Health and operating room attire. ❑ Instruments, ❑ Sutures and suture materials ❑ Equipments ❑ O.T. tables and sets for common surgical procedures ❑ Positions and draping for common surgical procedures ❑ Scrubbing procedures ❑ Gowning and gloving ❑ Preparation of O.T sets ❑ Monitoring the patient during surgical procedures 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs, • Models, films, slides • Demonstration • Practice session • Case discussion • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective type • Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
		<ul style="list-style-type: none"> Describe the role of the nurse in the peri operative nursing care 	<ul style="list-style-type: none"> Maintenance of therapeutic environment in O.T Standard safety measures <ul style="list-style-type: none"> □ Infection control: fumigation, disinfection and sterilization □ Biomedical waste management □ Prevention of accidents and hazards on O.T Anesthesia <ul style="list-style-type: none"> □ Types □ Method of administration □ Effects and stage □ 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	Durati on (in week)	Objectives	Skills	Assignment	Assessment Methods
General Medical Ward (*Resp-iratory), GI, Endo-crine, Renal, Hemo-tology)	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 alternations 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 therapy ❑ Maintenance and monitoring ▪ Oxygen therapy by different methods ▪ Nebulization ▪ Chest Physio therapy ▪ Naso gastric feeding ▪ Assist in common diagnostic ▪ Perform/ Assist in therapeutic procedures ▪ Blood and component therapy ▪ Throat Suctioning ▪ Collect specimens for common investigations. ▪ Maintain elimination <ul style="list-style-type: none"> ❑ Catheterization ❑ Bowel wash ❑ Enema ❑ Urinary drainage ▪ Maintain intake, output and documentation ▪ Counsel and teach related to specific disease conditions 	<ul style="list-style-type: none"> ▪ Plan and give care to 3-4 assigned patients ▪ Nursing care plan-2 ▪ Nursing case study/ presentation-1 ▪ Drug presentation-1 ▪ Maintain drug book ▪ Maintain practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with checklist • Evaluation of case study presentation • Completion practical record.

Areas	Durati on (in week)	Objectives	Skills	Assignment	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"> Practice medical surgical aspects- 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 aspirations 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 Drug presentation-1 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of case study presentation Completion of activity record.
Cardiology ward	2	<ul style="list-style-type: none"> Provide nursing care to patients with cardiac disorders Counsel and educate patients and families 	<ul style="list-style-type: none"> Physical examination of the cardio vascular system Recording and interpreting ECG Monitoring of patients Preparation and assisting in non-invasive and 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 3-4 assigned patients Nursing care plan-2 Nursing case study/ presentation-1 Drug 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/ health talk Completion of activity record.
Skin & communicable diseases ward	1	<ul style="list-style-type: none"> Identify skin problems Provide nursing care to patients with skin disorders & communicable diseases Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of patients with skin disorders Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis- Standard safety measures Use of personal protective equipments (PPE) Give medicated baths Counseling HIV positive patients Teach prevention of infectious diseases. 	<ul style="list-style-type: none"> Plan and give care to 2-3 assigned patients Health talk/Counseling HIV positive patients and families-1 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation health talk/ Counseling session Completion of activity record

Areas	Durati on (in week)	Objectives	Skills	Assignment	Assessment Methods
Ortho pedic ward	2	<ul style="list-style-type: none"> Provide nursing care to patients with muscular- skeletal 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-1 Nursing case study/ presentation-1 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of nursing care plan and Nursing case study/ presentation Completion of activity record
Opera tion Theat re	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 interments suturing materials for common operations Disinfection, Carbolization fumigation Preparation of instrument sets for common operations Sterilization of sharps and other instruments Prepare the OT table depending upon the operation Positioning and monitoring of patients End tracheal intubation Assisting in minor 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 case – 10 Minor cases -5 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Completion of activity record

Internship

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
ICU, CCU, CAR, DIAC, OT	2	<ul style="list-style-type: none"> To gain proficiency in ICU nursing Develop advanced skill in special procedures used in critical care unit Identify potential problems and provide accordingly, Skill in setting and handling ventilator Administer injection in infusion pump. Record accurately findings and medications. Develop IPR with family members. Acquaint with OT technique. 	<ul style="list-style-type: none"> Assist in arterial puncture for blood gas analysis. Perform ECG and interpret accordingly. Conduct and analysis pulse oximetry. Care with artificial airway. Assist in endotracheal 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 strip -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 pt with head injury and spinal injury. Care with chest surgery and cranial surgery. 	<ul style="list-style-type: none"> Assess neurological status. Implement care to head injury patients Drug sheet Pre and postoperative care with neuro surgery patients. 	<ul style="list-style-type: none"> Assessment for all assigned patients Nursing care plan-2 Drug sheet 	<ul style="list-style-type: none"> Record book. Observation checklist.
Burns and plastic Reconstructive surgery	2	<ul style="list-style-type: none"> Assess the severity of burns. Administer dehydration therapy. Observe reconstructive surgery. 	<ul style="list-style-type: none"> Nursing care 		
OT Laproscopic Orthopedic Eye ENT	3	<ul style="list-style-type: none"> Identify instruments Assist in OT set UP Supervise sterilization Assist in OT table layout Observe immediately after operation. Supervise infection control. 		<ul style="list-style-type: none"> Assist -5 cases. 	<ul style="list-style-type: none"> Record book

Community Health Nursing - I

Placement: Second Year

Time: Theory – 90 hours
Practical – 135 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	2	<ul style="list-style-type: none"> Describe the concepts 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 determinations 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 a waste, disposal of dead bodies, forestation, noise, Climate, Communication: infrastructure facilities and linkages. Acts regulating the environment: National pollution control board Bacterial & viral: Agents, host carriers and immunity Arthropods and Rodents Food hygiene: production, preservation, purchase, preparation, consumption Acts regulating food hygiene prevention of food adulteration act, drugs and cosmetic act Socio- cultural <ul style="list-style-type: none"> Customs, taboos Marriage system Family structure Status of special groups: Females, Children, Elderly, challenged groups and sick persons Life style Hygiene Physical activity <ul style="list-style-type: none"> Recreation and sleep Sexual life Spiritual life philosophy Self reliance Dietary pattern Education Occupation 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, Models, films, slides Visits to water supply, sewage disposal, milk plants, slaughter house etc. 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> Financial Management <ul style="list-style-type: none"> Income Budget Purchasing power 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, used and terminology used in epidemiology Dynamics of disease transmission; epidemiological triad Morbidity and mortality: measurements Level of prevention Methods of epidemiology of <ul style="list-style-type: none"> Descriptive Analytical: Epidemic investigation Experimental 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, Models, films, slides 	<ul style="list-style-type: none"> Essay type 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 <ul style="list-style-type: none"> Small pox Chicken pox Measles Influenza Rubella Air's & Pneumonia Mumps Diphtheria Whooping cough Meningococcal meningitis Tuberculosis SARS Intestinal infections <ul style="list-style-type: none"> Poliomyelitis Viral hepatitis Cholera Diarrhea diseases Typhoid fever Food poisoning Amoebiasis Hook worm infection Ascariasis Dracunculiasis Arthropod infections <ul style="list-style-type: none"> Dengue Malaria Flariasis Zoonoses 	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, Models, films, slides Seminar Supervised field practice health centers, clinics and homes Group projects/ Health education 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			Viral <ul style="list-style-type: none"> • Rabies • Yellow fever • Japans encephalitis • Kyasnur Forest Disease <ul style="list-style-type: none"> • Bacterial <ul style="list-style-type: none"> • Brucellosis • Plague • Human Salmonellosis • Anthrax • Leptospirosis • Rickettsial diseases <ul style="list-style-type: none"> • Rickettial Zoonoses • Scrub typhus • Murine typhus • Tick typhus • Q fever • Parasitic zoonoses <ul style="list-style-type: none"> • Taeniasis • Hydrated disease • Leishumaniasis • Surface infection <ul style="list-style-type: none"> • Trachoma • Leprosy • STD & RTI • Yaws • HIV/Aids Any other		
V	10	<ul style="list-style-type: none"> • Describe epidemiology and nursing management of common non-communicable disease 	Epidemiology and nursing management of non-communicable diseases <ul style="list-style-type: none"> ▪ Malnutrition: under nutritional over nutrition, nutritional deficiencies ▪ Anaemia ▪ Hypertension ▪ Stroke ▪ Rheumatic. Heart diseases ▪ Coronary Heart Diseases ▪ Cancer ▪ Diabetes mellitus ▪ Blindness ▪ Accidents ▪ Mental illness ▪ Obesity ▪ Iodine Deficiency ▪ Fluorosis ▪ Epilepsy 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs, Models, films, slides • Seminar • Supervised field practice health centers, clinics and homes • Group projects/ Health education 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
VI	6	<ul style="list-style-type: none"> Describe concepts and scope of demography Describe methods of data collection, analysis and interrelation of demographic data 	Demography <ul style="list-style-type: none"> Definition, concepts and scope Methods of collection, analysis and interrelation 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: 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	Duration (in week)	Objectives	Skills	Assignment	Assessment Methods
Community health nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> • Build and maintain rapport • Identify demographic characteristics health determinants and community health resources • Diagnose health needs of individual and families • Provide primary care in health centre • Counsel and educate individual, family and community 	<ul style="list-style-type: none"> • Use Techniques of interpersonal relationship • Identification of health determinants of community • History taking • Physical examination • Collect specimens-sputum, malaria smear • Perform simple lab tests at centre-blood for hemoglobin and sugar, urine for albumin and sugar • Administer vaccines and medications to adults • Counsel and teach individual, family and community <ul style="list-style-type: none"> ▪ Nutrition ▪ Hygiene ▪ Self health monitoring ▪ Seeking health services ▪ Healthy life style ▪ Family welfare methods ▪ Health promotion 	<ul style="list-style-type: none"> ▪ To work with 2 assigned families each in urban and rural ▪ Family study-1 ▪ Observation report of community -1 ▪ Health talks 2 (1 in urban and in rural) 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • 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 community health and educational settings

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	5		<ul style="list-style-type: none"> Define the communication process Identify techniques of effective communication 	Review of communication Process <ul style="list-style-type: none"> Process : elements and channel Facilitators Barriers and methods of overcoming Techniques 	<ul style="list-style-type: none"> Lecture discussion Role plays Exercises with audio/video tapes 	<ul style="list-style-type: none"> Respond to critical incidents Short answers Objective type
II	5		<ul style="list-style-type: none"> Establish effective inter-personal relations with patients, families & Co-workers 	Interpersonal relations <ul style="list-style-type: none"> Purpose & types Phases Barriers & methods of overcoming Johari Window 	<ul style="list-style-type: none"> Lecture discussion Role plays Exercises with audio/video tapes Process recording 	<ul style="list-style-type: none"> Short 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 behaviour, motivation, social attitudes Individual and groups Groups & individual Human relations in context of nursing Group dynamics Team work 	<ul style="list-style-type: none"> Lecture discussion Sociometry Group games Psychometric exercises followed by discussion 	<ul style="list-style-type: none"> Short answers Objective type Respond to test based on critical incidents
IV	10	5	<ul style="list-style-type: none"> Develop basic skill of counselling and guidance 	Guidance & counselling <ul style="list-style-type: none"> Definition Purpose, scope and need Basic principles Organization of counselling services Types of counselling approaches Role and preparation of counselor Issues for counselling in nursing: students and practitioners Counselling process-steps & techniques, tools of counselor Managing disciplinary problems Management of crisis & referral 	<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 answers Objective type Assess performance in role play situations

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
V	5		<ul style="list-style-type: none"> Describe the philosophy & principles of education Explain the teaching learning process 	Principles of education & teaching learning process <ul style="list-style-type: none"> Education : meaning, philosophy, aims, functions & principals Nature and characteristics of learning Principles and maxims of teaching Formulating objectives; general and specific Lesson planning Classroom management 	<ul style="list-style-type: none"> Lecture discussion Prepare lesson plan Micro teaching Exercise on writing objectives 	<ul style="list-style-type: none"> Short answers Objective type Assess lesson plans & teaching sessions
VI	10	10	<ul style="list-style-type: none"> Demonstrate teaching skill using various teaching methods in clinical classroom and community settings 	Methods of teaching <ul style="list-style-type: none"> Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed, instruction, computer assisted learning, micro teaching problem based learning. Self instructional module and simulation etc. Clinical teaching methods: case method, nursing round & reports, bedside clinic, conference (individual & group) process recording 	<ul style="list-style-type: none"> Lecture discussion Conduct 5 teaching sessions using different methods & media 	<ul style="list-style-type: none"> Short answers Objective type Assess teaching sessions
VII	10	8	<ul style="list-style-type: none"> Prepare and use different type of educational media effectively 	Educational media <ul style="list-style-type: none"> Purposes & types of A.V. Aids, principles and sources etc. Graphic aids, chalk board, chart, graph, poster, flash cards, flannel bulletin, cartoon Three dimensional aids: objects, specimens, models, puppets Printed aids: pamphlets & leaflets Projected aids: slides, overhead projector. Films, TV, VCR, VCD, camera, microscope, LCD Audio aids: tap recorder, public address system Computer 	<ul style="list-style-type: none"> Lecture discussion Demonstration Prepare different teaching aids – projected & non projected 	<ul style="list-style-type: none"> Short answers Objective type Assess teaching aids prepared

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
VIII	5	7	<ul style="list-style-type: none"> Prepare different types of questions for assessment of knowledge, skills and attitudes 	Assessment <ul style="list-style-type: none"> Purpose and scope of evaluation and assessment Criteria for selection of assessment techniques and methods Assessment of knowledge: essay type questions, Short answer questions(SAQ), Multiple Choice Questions(MCQ) Assessment of skills: observation checklist practical exam, Viva, Objective structured clinical examination (OSCE) Assessment of attitudes: Attitude scales 	<ul style="list-style-type: none"> Lecture discussion Exercise on writing different types of assessment tools 	<ul style="list-style-type: none"> Short answers 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 behaviour & health education Planning for health education Health education with individual, 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 answers Objective type Assess the planning & conduct of the educational session

Medical Surgical Nursing (Adult including Geriatrics)-II

Placement: Third Year

Time: Theory – 210 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 Activities	Assessment Methods
I	15	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat 	<p>Nursing management of patient with disorders of Ear nose and Throat</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the Ear Nose and Throat- Nursing Assessment- History and physical assessment Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders: <ul style="list-style-type: none"> External ear – deformities otalgia, foreign bodies, and tumours Middle ear - impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours Inner ear- Meniere's Diseases, labyrinthitis, ototoxicity, tumours Upper airway infection – common cold, sinusitis, ethinitis, rhinitis, peritonsillar abscess, laryngitis 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 discussion/ seminar Health education Supervised clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay types Short answers Objectives type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
II	15	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients 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 dietetics and nursing management of adults management of eye disorders <ul style="list-style-type: none"> Refractive errors Eyelids- infection, tumors and deformities Conjunctiva – inflammation and infection, bleeding Cornea- inflammation and infection Lens- Cataracts Glaucoma Disorder of the <u>uvea</u> tract, Ocular tumours Disorders of posterior chamber and retina: Retinal and vitreous problems. Retinal detachment Ocular emergencies and their prevention Blindness National blindness control program <ul style="list-style-type: none"> Eye banking Eye prostheses and Rehabilitation <p>Role of nurse communication with visually impaired patient, Eye camps. Special therapies Nursing procedures Drugs used in treatment of disorders of eye</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, Models, films, slides Demonstration Practice session Case discussion/ 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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
III	15	<ul style="list-style-type: none"> Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with neurological disorders. 	<p>Nursing management of patient with neurological disorders</p> <ul style="list-style-type: none"> Review of anatomy and physiology of the neurological system Nursing Assessment- History and physical and neurological assessment and Glasgow coma scale Etiology, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders Congenital malformations Headache Head 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 of 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-Barré Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases <ul style="list-style-type: none"> Delirium Dementia Alzheimer's diseases Management of unconscious patients with stroke Role of the nurse in communicating with patient having neurological deficit Rehabilitation of patients with neurological deficit <p>Role of nurse 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"> 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 rehabilitation centre 	<ul style="list-style-type: none"> Essay types Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
IV	16	<ul style="list-style-type: none"> Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of female reproductive system Describe concepts of reproductive health and family welfare program 	<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 reproductive system Nursing Assessment- History and physical assessment Breast self Examination 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 disorders: Dysmenorrhea Premenstrual Syndrome Abnormal Uterine Bleeding: Menorrhagia, Metrorrhagia Pelvic Inflammatory Disease- Ovarian and fallopian tube disorders: infections, cysts, tumors Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumors, uterine displacement, Cystocele/ Urethrocele/Rectocele Vaginal disorders, infections and discharge, 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 disorders National family welfare programme</p>	<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 	<ul style="list-style-type: none"> Essay types Short answers Objectives type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
V	10	<ul style="list-style-type: none"> Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with burns, reconstructive and cosmetic surgery 	Nursing management of patient with burns, reconstructive and cosmetic surgery <ul style="list-style-type: none"> Review of anatomy and physiology of the skin and connective tissues and various deformities Nursing Assessment- History and physical assessment and assessment of burns and fluid and electrolyte loss Etiology, Classification, pathophysiology clinical manifestations, diagnosis, treatment modalities and medical, & surgical nursing management of Burns and Re-constructive and cosmetic surgery, Types of Re-constructive and cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes Role of nurse Legal aspects Rehabilitation Special therapies <ul style="list-style-type: none"> Psycho social aspects <p>Nursing procedures Drugs used in treatment of burns, reconstructive and cosmetic surgery</p>	<ul style="list-style-type: none"> Lecture discussion Explain using charts, graphs, Models, films, slides Demonstration Practice session Case discussion/ seminar Health education Supervised clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay types 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, patho-physiology, clinical manifestations, diagnostic measures and management of patients with oncology 	Nursing management of patients with oncological conditions <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, patho physiology staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological 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. 	<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 	<ul style="list-style-type: none"> Essay types Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> ▪ Oncological emergencies ▪ 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 ▪ Hospice care ▪ Stomal therapy ▪ Special therapies <ul style="list-style-type: none"> ❑ Psycho social aspects ▪ Nursing procedures 		
VII	10	<ul style="list-style-type: none"> ▪ Describe organization of emergency and disaster care services ▪ Describe the role of nurse in disaster - ▪ Describe the role of nurse in management of common Emergencies 	Nursing management of patient in EMERGENCY & DISASTER situations Disaster Nursing <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 ▪ Coordination and involvement of; Community, various govt. departments, non-government organizations and international agencies ▪ Role of nurse working ▪ Legal aspects of Disaster nursing ▪ Impact on Health and after effects Post Traumatic stress Disorder ▪ Rehabilitation; physical, psychosocial, Financial, Relocation 	<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 	<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 Activities	Assessment Methods
			Emergency Nursing <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 manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency ▪ Principles of emergency management ▪ Common Emergencies ▪ Respiratory Emergencies ▪ Cardiac Emergencies ▪ Shock and hemorrhage ▪ Pain ▪ Poly- Trauma, road accidents, crush injuries, wound ▪ Bites ▪ Poisoning; Food, Gas, Drugs & chemical poisoning ▪ Seizures ▪ Thermal emergencies: Heat stroke & cold injuries ▪ Pediatric emergencies ▪ Obstetric emergencies ▪ Violence, Abuse, Sexual assault ▪ Cardio pulmonary Resuscitation ▪ Crisis intervention ▪ Role of the nurse: communication and inter personal relations ▪ Medico-Legal aspects; 		
VIII	10	<ul style="list-style-type: none"> ▪ Explain the concept and problems of aging ▪ Describe nursing care of the elderly 	Nursing care of the elderly <ul style="list-style-type: none"> ▪ Nursing Assessment – History and physical assessment ▪ Ageing ▪ Demography, Myths and realities ▪ Concepts and theories of ageing ▪ Cognitive aspects of ageing ▪ Normal biological ageing ▪ Age related body systems changes ▪ Psychosocial aspects of ageing ▪ Medications and elderly 	<ul style="list-style-type: none"> • Lecture discussion • Explain using charts, graphs, • Models, films, slides • Demonstration 	<ul style="list-style-type: none"> • Essay types • Short answers • Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> 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 care givers of elderly Role of family and formal and non formal caregivers Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical issues Provisions and programs for elderly, privileges, Community programs and health services; Home and institutional care 	<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 skills with check list Assessment of patient management problem
IX	10	<ul style="list-style-type: none"> Describe organization of critical care units Describe the role of nurse in disaster management of patients critical care units 	Nursing management of patient in critical care units <ul style="list-style-type: none"> Nursing assessment History And physical assessment Classifications Principles of critical care nursing Organization; Physical setup, Policies, staffing norms Protocols, equipment and supplies Special equipments; ventilators, cardiac monitors, defibrillators Resuscitation equipments Infection control protocol Nursing management of critically ill patients; Monitoring of critically ill patient CPR – Advance Cardiac Life support Treatment 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, Models, films, slides Demonstration Role plays Counseling Practice session Case discussion/ seminar Health education Supervised clinical practice Drug book/ presentation 	<ul style="list-style-type: none"> Essay types Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
X	8	<ul style="list-style-type: none"> Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with occupational and industrial health disorder 	Nursing management of patients in adults including elderly with occupational and industrial disorders <ul style="list-style-type: none"> Nursing assessment history and physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of occupational and Industrial disorders		
XI		<ul style="list-style-type: none"> 	Biomedical waste management: <ul style="list-style-type: none"> Introduction and meaning Waste Hazards <ul style="list-style-type: none"> Occupation hazards Environmental Hazards Public Health Hazards Segregation, packaging, storage and transportation Nurses – precautions and safety measures Role of Nurses in Biomedical waste management – Hospitals, Primary Health centers, Rural areas 		

Medical Surgical Nursing (Adult including Geriatrics) – II Practical

Placement: Third year

Time : Theory - 120 Hours

Practical – 270 Hours

Internship - 430 Hours

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

Areas	Duration (in wks)	Objectives	Skills	Assignment	Assessment Methods
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-1 Maintain drug book 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of care plan Completion of activity record.
Burns Unit	1	<ul style="list-style-type: none"> Provide care to patients with Burns Counsel and educate patients and families 	<ul style="list-style-type: none"> Assessment of the burns patient <ul style="list-style-type: none"> Percentage of Burns Degree of burns Fluid & electrolyte replacement therapy <ul style="list-style-type: none"> Assess Calculate Replace Record intake/ output Care of Burn wounds <ul style="list-style-type: none"> Bathing Dressing Perform active & passive exercises Practice medical & surgical asepsis Counsel & Teach patients and families Participate in rehabilitation program 	<ul style="list-style-type: none"> Provide care to 1-2 assigned patients Nursing care plan-1 Observation reports of Burns unit Maintain drug book 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record.
Oncology Unit	1	<ul style="list-style-type: none"> Provide care to patients with cancer Counsel and educate patients and families 	<ul style="list-style-type: none"> Screen for common cancers – TNM Assist with diagnosis procedures <ul style="list-style-type: none"> Biopsies Pap smear Bone- marrow aspiration. Breast examination Assist with therapeutic procedures Participates in various modalities of treatment <ul style="list-style-type: none"> Chemotherapy Radiotherapy Pain management Stomal therapy Hormonal therapy Gene therapy alternative therapy Participate in palliative care Counsel and teach patients families <ul style="list-style-type: none"> Self Breast Examination Warning signs Participate in rehabilitation program 	<ul style="list-style-type: none"> Provide care to 2-3 assigned patients Nursing care plan-1 Observation report of the cancer unit 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record.

Areas	Duration (in wks)	Objectives	Skills	Assignment	Assessment Methods
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 Intra thecal Intracranial Total parenteral therapy Chest physiotherapy Perform active & passive exercises Counsel the patient and family in dealing with grieving and bereavement 	<ul style="list-style-type: none"> Provide care to 1 assigned patient Observation report of Critical care unit Drug book 	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of observation report Completion of activity record.
Casualty/Emergency	1	<ul style="list-style-type: none"> Provide care to patients in emergency and disaster situation Counsel patient and families for grief and bereavement 	<ul style="list-style-type: none"> Practice “triage” Assist with assessment examination, investigations & their interpretations, in emergency and disaster situations Assist in documentations Assist in legal procedures in emergency unit Participate in managing crowd Counsel patient and families in grief and bereavement 	<ul style="list-style-type: none"> Observation report of Emergency unit 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of observation report Completion of activity record

Placement : Internship

Time : 9 weeks

Area	Duration (in week)	Objective	Skills	Assessment
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies	Integrated practice	Assess clinical performance with rating scale
Surgical ward	2			
Critical care unit/ICCU	1	Assist with common operations		
Casualty/Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

Child Health Nursing

Placement: Third year

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

Course Description: This course is designed for developing and 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 programs and legislation in relation to child health and welfare List major causes of death during infancy, early & late childhood Describe the major functions and role of the paediatric nurse in caring for a hospitalized child Describe the principles of child health nursing 	Introduction Modern concepts of child care <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 of the children Changing trends in hospital care, preventive, promotive and curative aspects of child health. Child morbidity and mortality rates Differences between adult and child Hospital environment for a sick child Impact of hospitalisation on the child and family Grief and bereavement The role of a child health nurse in caring for a hospitalised child Principles of pre and post operative care of infants and children Child health nursing procedures 	<ul style="list-style-type: none"> Lecture discussion Demonstration of common paediatric procedures 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with check list

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment methods
IV	10		Integrated management of neonatal and childhood illness		
V	20	<ul style="list-style-type: none"> • Provide nursing care in common childhood diseases • Identify measure to prevent common childhood diseases including immunization 	Nursing management in common childhood diseases <ul style="list-style-type: none"> • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders • Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease • Genito-urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumour, infection and congenital disorders. • Neurological infections and disorders convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. • Hemotatological disorders: Juvenile Diabetes Mellitus • Orthopaedic 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 prevention • Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. • Nursing care of infant and children with HIV/AIDS 	<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
VI	10	<ul style="list-style-type: none"> • Manage the child with behavioural & social problems • Identify the social & welfare services for challenged children 	Management of behavioural & social problems in children <ul style="list-style-type: none"> • Management of common behavioural disorders • Management of common psychiatric problems • Management of challenged children : Mentally, Physically & Socially challenged • Welfare services for challenged children in India. • Child guidance clinics 	<ul style="list-style-type: none"> • Lecture discussion • Field visits to child guidance clinics, school for mentally & physically, socially challenged 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of field reports

Child Health Nursing – Practical

Placement: Third Year
Fourth year

Time: 270 Hours (9 Weeks)
Internship: 145 Hours (3 weeks)

Areas	Durati on (in weeks)	Objectives	Skills	Assignments	Assessment methods
Paedia- tric Medi- cine Ward	3	<ul style="list-style-type: none"> • Provide nursing care to children with various medical disorders • Counsel and educate parents. 	<ul style="list-style-type: none"> • Taking paediatric History • Physical examination and assessment of children • Administer of oral, I/M & IV medicine/fluids • Calculation of fluid requirements • Prepare different strengths of I.V. fluids • Apply restraints • Administer O₂ inhalation by different methods • Given baby bath • Freed children by Katori spoon, etc. • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers/parents <ul style="list-style-type: none"> <input type="checkbox"/> Malnutrition <input type="checkbox"/> Oral rehydration therapy <input type="checkbox"/> Feeding & Weaning <input type="checkbox"/> Immunization schedule <input type="checkbox"/> Play therapy <input type="checkbox"/> Specific Disease conditions 	<ul style="list-style-type: none"> • Given care to three assigned paediatric patients • Nursing Care Plan -1 • Case study/presentation-1 • Health Talk-1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with checklist OSCE/OSP E • Evaluation of case study presentation and Health education session • Completion of activity record
Pedia- tric surgery ward	3	<ul style="list-style-type: none"> • Recognize different pediatric surgical conditions/ malformations • Provide pre and post operative care to children with common paediatric surgical conditions/ malformation • Counsel and educate parents 	<ul style="list-style-type: none"> • Calculate, prepare and administer I/V fluids • Do bowel wash • Care for ostomies: <ul style="list-style-type: none"> <input type="checkbox"/> Colostomy irrigation <input type="checkbox"/> Ureterostomy <input type="checkbox"/> Gastrostomy <input type="checkbox"/> Enterostomy • Urinary catheterization and drainage • Feeding <ul style="list-style-type: none"> <input type="checkbox"/> Naso-gastric <input type="checkbox"/> Gastrostomy <input type="checkbox"/> Jejunostomy • Care of surgical wounds <ul style="list-style-type: none"> <input type="checkbox"/> Dressing <input type="checkbox"/> Suture removal 	<ul style="list-style-type: none"> • Give care to three assigned paediatric surgical patients • Nursing Care Plan-1 • Case study/presentation-1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with checklist OSCE/OSPE • Evaluation of case study/ presentation • Completion of activity record.

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Pediatric OPD/ Immunization room	1	<ul style="list-style-type: none"> • Perform assessment of children: Health, Developmental and Anthropometric • Perform Immunization • Give Health Education/ Nutritional Education 	<ul style="list-style-type: none"> • Assessment of children <ul style="list-style-type: none"> ❑ Health assessment ❑ Developmental assessment ❑ Anthropometric assessment ❑ Immunization ❑ Health/ Nutritional Education 	<ul style="list-style-type: none"> • Developmental study -1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Completion of activity record
Pediatric medicine and surgery ICU	1+1	Provide nursing care to critically ill children	<ul style="list-style-type: none"> • Care of a baby incubator/warmer • Care of a child on ventilator • Endotracheal suction • Chest physiotherapy • Administer fluids with infusion pump • Total parenteral nutrition • Phototherapy • Monitoring of babies • Cardio Pulmonary resuscitation 	<ul style="list-style-type: none"> • Nursing care plan-1 • Observation report 1 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Completion of activity record • Evaluation of observation report

Internship

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

Mental Health Nursing

Placement: Third Year

Time: Theory – 90 Hours
Practical – 270 Hours
Internship – 95 hours (2 weeks)

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

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
		<ul style="list-style-type: none"> Explain psycho dynamics of maladaptive behaviour Discuss the etiological factors, psychopathology of mental disorders Explain the Principles and standards of Mental health Nursing Describe the conceptual models of mental health nursing 	<ul style="list-style-type: none"> Review of personality development, defense mechanisms. Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s) Etiology: bio – psycho – social factors. Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission. Principles of Mental health Nursing. Standards of Mental health nursing practice. Conceptual models and the role of nurse: <ul style="list-style-type: none"> Existential Model Psycho – analytical models Behavioural model Interpersonal model. 		
III	8	<ul style="list-style-type: none"> Describe nature, purpose and process of assessment of mental health status. 	Assessment of mental health status <ul style="list-style-type: none"> History taking Mental status examination Mini mental status examination. Neurological examination: Review Investigations: Related Blood chemistry, EEG, CT & MRI Psychological tests R 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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
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, psychotherapy-Individual, Psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho – drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback Alternative systems of medicine Occupational therapy Physical Therapy: electro convulsive therapy Geriatric considerations Role of nurse in above therapies.	<ul style="list-style-type: none"> Lecture discussion Demonstration discussion Group work Practice session Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type.
VI	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders 	Nursing management of patient with Schizophrenia, and other psychotic disorders <ul style="list-style-type: none"> Classification: ICD Etiology, psycho-pathology, types, clinical manifestations, diagnosis Nursing Assessment – History, Physical and mental assessment Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders Geriatric considerations Follow – up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient management problems

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

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
XII	5	<ul style="list-style-type: none"> Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of organic brain disorders. 	<ul style="list-style-type: none"> Nursing management of organic brain disorders Classification: ICD? Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (parkinsons and alzheimers) Nursing Assessment – History, Physical, mental and neurological assessment Treatment modalities and nursing management of organic brain disorders Geriatric considerations Follow – up and home care and rehabilitation 	<ul style="list-style-type: none"> Lecture discussion Case discussion Case presentation Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Assessment of patient management problems
XIII	6	<ul style="list-style-type: none"> Identify psychiatric emergencies and carry out crisis intervention 	<ul style="list-style-type: none"> Psychiatric emergencies and crisis intervention Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism Grief: Theories of grieving process, principles, techniques of counseling Types of crisis Crisis Intervention: Principles, Techniques and Process Geriatric considerations <p>Role and responsibilities of nurse</p>	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type
XIV	4	<ul style="list-style-type: none"> Explain legal aspects applied in mental health settings and role of the nurse 	<p>Legal issues in Mental Health Nursing</p> <ul style="list-style-type: none"> The Mental Health Act 1987: Act, Sections, Articles and their implications etc. Indian Lunacy Act. 1912 Rights of mentally ill clients Forensic psychiatry Acts related to narcotic and psychotropic substances and illegal drug trafficking Admission and discharge procedures <p>Role and responsibilities of nurse</p>	<ul style="list-style-type: none"> Lecture discussion Case discussion 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activity	Assessment Method
XV	4	<ul style="list-style-type: none"> Describe the model of preventive psychiatry Describes Community Mental health services and role of the nurse. 	Community Mental Health Nursing <ul style="list-style-type: none"> Development of Community Mental Health Services: National Mental Health Programme Institutionalization Versus Deinstitutionalization Model of Preventive psychiatry: Levels of Prevention Mental Health services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse. Mental Health Agencies: Government and voluntary, National and International Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV / AIDS etc. 	<ul style="list-style-type: none"> Lecture discussion Clinical/field practice Field visits to mental health service agencies 	<ul style="list-style-type: none"> Short answers Objective type Assess-ment of the field visit reports

Mental Health Nursing – Practical

Placement: Third Year
Fourth Year

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

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

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
		<ul style="list-style-type: none"> Assist in various therapies Counsel and educate patients, families and significant others 	<ul style="list-style-type: none"> Record therapeutic communication Administer medications Assist in Electro-convulsive Therapy (ECT) Participate in all therapies Prepare patients for activities of Daily living (ADL) Conduct admission and discharge counseling Counsel and teach patients and families 	<ul style="list-style-type: none"> Process recording 2 Maintain drug book 	Care plan, clinical presentation process recording <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

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

Nursing Research and Statistics:

Placement: Third Year

Time: Theory – 45 Hours
Practical – 45 Hours

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

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	8	<ul style="list-style-type: none"> Explain the sampling process Describe the methods of data collection 	Sampling and data collection <ul style="list-style-type: none"> Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques. Data–why, what, from whom, when and where to collect. Data collection methods and instruments: <ul style="list-style-type: none"> Methods of data collection Questioning, interviewing Observations, record analysis and measurement Types of instruments Validity & Reliability of the Instrument Pilot study Data collection procedure 	<ul style="list-style-type: none"> Lecture Discussion Reading assignment on examples of data collection tools. Preparation of sample data collection tool Conduct group research project 	<ul style="list-style-type: none"> Short answer Objective type
VI	4	<ul style="list-style-type: none"> Analyze, interpret and summarize the research data 	Analysis of data: <ul style="list-style-type: none"> Compilation, Tabulation, classification, summarization, presentation, interpretation of data 	<ul style="list-style-type: none"> Lecture Discussion Preparation of sample tables 	<ul style="list-style-type: none"> Short answer Objective type
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 representation Practice on computation of measures of central tendency, variability & correlation 	<ul style="list-style-type: none"> Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VIII	4	<ul style="list-style-type: none"> Communicate and utilize the research findings 	Communication and utilization of Research <ul style="list-style-type: none"> Communication of research findings <ul style="list-style-type: none"> Verbal report Writing research report Writing scientific article /paper <ul style="list-style-type: none"> Critical review of published research Utilization of research findings 	<ul style="list-style-type: none"> Lecture Discussion Reading/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

Midwifery and Obstetrical Nursing

Placement: Fourth Year

Time: Theory – 90 Hours

Practical – 360 Hours

Internship – 240 Hours

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
1	3	Recognize the trends and issues in midwifery and obstetrical nursing	Introduction to midwifery and obstetrical Nursing <ul style="list-style-type: none"> Introduction to concepts of midwifery and obstetrical Nursing Trends in midwifery and obstetrical nursing <ul style="list-style-type: none"> - Historical perspectives and current trends - Legal and ethical aspects - Pre-conception care and preparing for parenthood - Role of nurse in midwifery and obstetrical care. - National policy and legislation in relation to maternal health and welfare - Maternal, morbidity, mortality and fertility rates - Perinatal, morbidity and mortality rates 	<ul style="list-style-type: none"> Lecture discussion Explain using Charts and graphs 	<ul style="list-style-type: none"> Short answers Objective type
II	8	<ul style="list-style-type: none"> Describe the anatomy and physiology of female reproductive system 	Review of anatomy and physiology of female reproductive system and foetal development <ul style="list-style-type: none"> Female pelvis – general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. Female organs of reproduction – external genitalia, internal genital organs and their anatomical relations, musculature – blood – supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. Physiology of menstrual cycle Human sexuality Foetal development <ul style="list-style-type: none"> ○ Conception ○ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term – functions, abnormalities, the foetal sac, amniotic fluid, the umbilical chord, ○ Foetal circulation, foetal skull, bones, sutures and measurements. ○ Review of Genetics. 	<ul style="list-style-type: none"> Lecture discussion Review with Charts and models 	<ul style="list-style-type: none"> Short answers Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
III	8	<ul style="list-style-type: none"> Describe the diagnosis and management of women during antenatal period. 	<p>Assessment and management of pregnancy (ante – natal)</p> <ul style="list-style-type: none"> Normal pregnancy Physiological changes during pregnancy. <ul style="list-style-type: none"> Reproductive system Cardio vascular system Respiratory system Urinary system Gastro intestinal system Metabolic changes Skeletal changes Skin changes Endocrine system Psychological changes Discomforts of pregnancy Diagnosis of pregnancy <ul style="list-style-type: none"> Signs Differential diagnosis Confirmatory tests Ante – natal care <ul style="list-style-type: none"> Objectives Assessment <ul style="list-style-type: none"> History and physical examination Antenatal Examination Signs of previous child Birth Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position Per vaginal examination. Screening and assessment for high risk; Risk approach History and Physical Examination Modalities of diagnosis; Invasive & Non-Invasive, ultrasonics, cardiotomography, NST, CST Antenatal preparation <ul style="list-style-type: none"> Antenatal counseling Antenatal exercises Diet Substance use Education for child-birth Husband and families Preparation for safe – confinement Prevention from radiation 	<ul style="list-style-type: none"> Lecture discussion Demonstration Case discussion/ presentation Health talk Practice session Counseling session Supervised clinical practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with check list Assessment of patient management problems

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
V	5	<ul style="list-style-type: none"> Describe the physiology of puerperium Describe the management of women 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 child birth 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 type Short answers Objective type 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 	<ul style="list-style-type: none"> Assessment and management of normal neonates Normal Neonate; <ul style="list-style-type: none"> Physiological adaptation, Initial & Daily assessment Essential newborn care: Thermal control, Breast feeding, prevention of infections Immunization Minor disorders of newborn and its management Levels of Neonatal care (level I, II & III) At primary, secondary and tertiary levels Maintenance of Reports and Records 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
VII	10	<ul style="list-style-type: none"> Describe the Identification and management of women with high risk pregnancy 	<ul style="list-style-type: none"> High – risk pregnancy – assessment & management Screening and assessment <ul style="list-style-type: none"> Ultrasonics, cardiotomography, NST, CST, non – invasive & invasive. Newer modalities of diagnosis High – risk approach Levels of care; primary, secondary and tertiary levels Disorders of pregnancy <ul style="list-style-type: none"> Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic Pregnancy, vesicular mole, Ante-partum haemorrhage. Uterine abnormality and displacement. Diseases complicating pregnancy <ul style="list-style-type: none"> Medical and surgical conditions Infections, RTI (STD), UTI, HIV, TORCH 	<ul style="list-style-type: none"> Lecture discussion Demonstrate using video films, scan reports, partograph etc Case discussion/ presentation Health talk Practice Session Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

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

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
X	10	<ul style="list-style-type: none"> Identify the high risk neonates and their nursing management 	Assessment and management of High risk new born <ul style="list-style-type: none"> Admission of neonates in the neonatal intensive care units protocols Nursing management of: <ul style="list-style-type: none"> Low birth weight babies Infections Respiratory problems Haemolytic disorders Birth injuries Monitoring of high risk neonate 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 Practice Session Case discussion/ presentation Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
XI	4	<ul style="list-style-type: none"> Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers 	Pharmo-therapeutics in obstetrics <ul style="list-style-type: none"> Indication, dosage, action, contraindication and side effects of drugs Effect of drugs on pregnancy, labour & puerperium Nursing responsibilities in the administration of drug in obstetrics –oxytocins, antihypertensive. Diuretics, tocolytic agents, anti convulsants; Analgesics and anesthetics in obstetrics Effects of maternal medication of foetus and neonate 	<ul style="list-style-type: none"> Lecture discussion Drug book Drug presentation 	<ul style="list-style-type: none"> Short answers Objective type
XII	10	<ul style="list-style-type: none"> Appreciate the importance of family welfare programme * Describe the methods of contraception and role of nurse in family welfare programme 	Family Welfare programme <ul style="list-style-type: none"> Population trends and problems in India Concepts, aims, importance and history of family welfare National population: dynamics, policy and education National family welfare Programme:RCH, ICDS,MCH, Safe motherhood Organization and administration; at national, state, district, block and village levels Methods of contraception: spacing, temporary and permanent, Emergency contraception Infertility and its management Counseling for family welfare Latest research in contraception Maintenance of vital statistics Role of national, international and voluntary organizations Role of a nurse in family welfare programme Training/Supervision/Collaboration with other functionaries in community like ANMs. LHV's, Anganwadi workers, TBAs(Traditional birth attendant – Dai) 	<ul style="list-style-type: none"> Lecture discussion Demonstration Practice Session Supervised practice Group project Counseling session Field visits 	<ul style="list-style-type: none"> Essay type Short answers Objective type Assessment of skills with check list, project and field visits reports.

Midwifery and Obstetrical Nursing – Practical

Placement: Fourth Year

Time : Practical – 360 Hours
Internship - 240 Hours

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment methods
Antenatal clinic/ OPD	2	<ul style="list-style-type: none"> Assessment of pregnant women 	<ul style="list-style-type: none"> Antenatal history taking Physical examination Recording of Weight & B.P Hb & Urine testing for sugar and albumin Antenatal examination- abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of antenatal records 	<ul style="list-style-type: none"> *Conduct Antenatal Examinations 30 Health talk– 1 Case book recordings 	<ul style="list-style-type: none"> Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T.	4	<ul style="list-style-type: none"> Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Caesarean sections, MTP and other surgical procedures 	<ul style="list-style-type: none"> Assessment of Woman in labour Pervaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns 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 with 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	Durati on (in weeks)	Objectives	Skills	Assignments	Assessment 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 talks -1 • Case study – • Case presentation -1 • Casebook recordings 	<ul style="list-style-type: none"> • Assessment of clinical performance • Assessment of each skill with check lists • Completion of Case book recording • Evaluation of case study and presentation and health education sessions
New born 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 • Phototherapy • Infection control protocols in the nursery • Teaching and counseling 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 check lists • Evaluation of and observation study
Family Plannin g clinic	Rotate on from post natal ward 1wk	<ul style="list-style-type: none"> • Counsel for and provide family welfare services 	<ul style="list-style-type: none"> • Counseling technique • Insertion of IUD • Teaching on use of family planning methods • Arrange for and assist with family planning operations • Maintenance of records and reports 	<ul style="list-style-type: none"> • * IUD insertion -5 • Observation Study – 1 • Counseling – 2 • Simulation exercise on recording and reporting -1 	<ul style="list-style-type: none"> • Assessment of each skill with check lists • Evaluation of and observation study

*** Essential Requirements for registration as midwife**

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

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

Internship Obstetrical Nursing

Internship Duration – 5 weeks

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

Community Health Nursing – II

Placement: Fourth year

Time: Theory – 90 Hours
Practical – 135 Hours

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

Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> Define concepts, scope, principles and historical development of Community Health and community health Nursing 	Introduction <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 and Community Health Nursing 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 	Health planning and policies and problems <ul style="list-style-type: none"> National health planning in India Five Year Plans Various committees and commissions on health and family welfare <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 	Delivery of community health services <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"> Lecture discussion Visit 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 Activities	Assessment methods
		<ul style="list-style-type: none"> List the functions of various levels and their staffing pattern Explain the components of health services Describe alternative systems of health promotion and health maintenance. Describe the chain of referral system 	<ul style="list-style-type: none"> Village Subcentre Primary health centre Community health center/ subdivisional Hospitals District State Centre Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> Slums Dispensaries Maternal and child health centers Special Clinics Hospitals Corporation/ Municipality/ Board Components of health services <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 Defence services Institutional services Systems of medicine and health care <ul style="list-style-type: none"> Allopathy Indian System of Medicine and Homeopathy Alternative health care systems like yoga, meditation, social and spiritual healing etc Referral system 		

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

Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment methods
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 * Empowerment for self care of individuals, families and groups in-</p> <p>A. Assessment of self and family</p> <ul style="list-style-type: none"> <input type="checkbox"/> Monitoring growth and development • Mile stones • Weight measurement • Social development <input type="checkbox"/> Temperature and Blood pressure monitoring <input type="checkbox"/> Menstrual cycle <input type="checkbox"/> Breast self examination and testicles <input type="checkbox"/> Warning signs of various diseases <input type="checkbox"/> Tests: Urine for sugar and albumin, Blood Sugar <p>B. Seek Health Services For</p> <ul style="list-style-type: none"> • Routine Checkup • Immunization • Counseling • Diagnosis • Treatment • Follow Up <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 Disposable of waste at home and community 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice session • Supervised field practice • Individual/group /family/community health education 	<ul style="list-style-type: none"> • Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment methods
			G. Sensitize and handle social issues affecting health and development for self and family <ul style="list-style-type: none"> ○ Women Empowerment ○ Women and child abuse ○ Abuse of elders ○ Female Foeticide ○ Commercial sex workers ○ Food adulteration ○ Substance abuse H. Utilize community resources for self and family <ul style="list-style-type: none"> ○ Trauma serviced ○ Old age homes ○ Orphanage ○ Homes for physically and mentally challenged individuals ○ Homes for destitute 		
VI	20	<ul style="list-style-type: none"> • Describe national health and family welfare programmes and role of a nurse • Describe the various health schemes in India 	National health and family welfare programmes and the role of a nurse <ol style="list-style-type: none"> 1. National ARI programme 2. Revised National Tuberculosis Control Programme (RNTCP) 3. National Anti-Malaria programme 4. National Filaria control programme 5. National Guinea worm eradication programme 6. National Leprosy eradication programme 7. National AIDS control programme 8. STD control programme 9. National programme for control of blindness 10. Iodine deficiency disorder programme 11. Expanded programme on immunization 12. National Family Welfare Programme-RCH Programme historical development, organization, administration, research, constraints 13. National water supply and sanitation programme 14. Minimum Need programme 15. National Diabetics control programme 16. Polio Eradication: Pulse Polio Programme 17. National Cancer Control programme 18. Yaws Eradication Programme 19. National Nutritional Anemia Prophylaxis programme 20. 20 point programme 21. ICDS programme 22. Mid-day meal applied nutritional programme 23. National mental health programme <ul style="list-style-type: none"> • Health schemes <ul style="list-style-type: none"> <input type="checkbox"/> ESI <input type="checkbox"/> CGHS <input type="checkbox"/> Health insurance 	<ul style="list-style-type: none"> • Lecture discussion • Participation in national health programmes • Field visits 	<ul style="list-style-type: none"> • Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment methods
VII	5	Explain the roles and functions of various national and international health agencies	<ul style="list-style-type: none"> • Health Agencies International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc. National – Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc. 	<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

Placement: Fourth year

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

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
Community health nursing	1 wk for urban 4wk for rural	<ul style="list-style-type: none"> Identify community profile Identify prevalent communicable and non-communicable diseases Diagnose health needs of Individual, families and community Plan, provide and evaluate care Participate in school health program Participate in national health programs Organize group for self help and involve clients in their own health activities Provide family welfare services Counsel and educate individual, family and community Collect Vital health statistics Maintain Record & reports 	<ul style="list-style-type: none"> Community health survey Community diagnosis Family care: Home adaptation of common procedure Home visit: Bag technique Organize and conduct clinics antenatal, post natal, well baby clinic, camps etc Screen manage and referrals for: <ul style="list-style-type: none"> High risk mothers and neonates Accidents and emergencies Illnesses: Physical and mental Disabilities Conduct delivery at centre/home episiotomy and suturing Resuscitate newborn School health programme <ul style="list-style-type: none"> Screen, manage, refer children Collaborate with health and allied agencies Train and Supervise health workers Provide family welfare services: insertion of IUD Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc Collect and calculate Vital health statistics Document and maintain <ul style="list-style-type: none"> Individual family and administrative records Write reports- center, disease, national health programme/ projects, 	<ul style="list-style-type: none"> Community survey report -1 Family care study -1 Project – 1 Health talk– 1 Case book recording 	<ul style="list-style-type: none"> Assess clinical performance with rating scale Evaluation of community survey report, family care study, project and health talk Completion of activity record. Completion of case book recording

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Collect and Calculate Vital health statistics • Document and maintain <ul style="list-style-type: none"> ❑ Individual, family and administrative records. ❑ Write reports-center, disease, national health programme/projects, 		

Placement: Internship

Areas	Duration (in week)	Objectives	Skills	Assignments
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 – 1 in each urban and urban 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Evaluation of project

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

Management of Nursing Services and Education

Placement: Fourth year

Time: Theory – 90 hrs.

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
I	4		<ul style="list-style-type: none"> Explain the principles and functions of management 	Introduction to management in nursing <ul style="list-style-type: none"> Definition, concepts and theories Functions of management Principles of Management Role of Nurse as a manager 	<ul style="list-style-type: none"> Lecture Discussion Explain using organization chart 	<ul style="list-style-type: none"> Short answers
II	5		<ul style="list-style-type: none"> Describe the elements and process of management 	Management process <ul style="list-style-type: none"> Planning; mission, philosophy, objectives, operational plan Staffing : philosophy, staffing study, norms, activities, patient classification systems, scheduling Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc Budgeting: concept, principles, types, cost benefit analysis, audit Material management: equipment and supplies Directing process (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	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
III	8	20	<ul style="list-style-type: none"> Describe the Management of nursing services in the hospital and Community 	Management of Nursing services in the hospital and Community <ul style="list-style-type: none"> Planning: <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 <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 Implement Standards, policies, procedures and practices Staff development and welfare Maintenance of discipline 	<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 of 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 assignments Performance evaluation by ward sister with rating scale

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> 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 	Organizational behaviour and human relations <ul style="list-style-type: none"> Concepts and theories of organizational behaviours Review of Channels of communication Leadership styles Review of Motivation; concepts and theories Group dynamics Techniques of; <ul style="list-style-type: none"> Communication; and Interpersonal relationships Human relations; Public relations in context of nursing Relations with professional associations and employee unions and Collective bargaining 	<ul style="list-style-type: none"> Lecture Discussion Role plays Group games Self assessment Case discussion Practice Session 	<ul style="list-style-type: none"> Essay type Short answers Assessment of problem solving
V	5	5	<ul style="list-style-type: none"> Participate in planning and organizing in service education program 	In-services Education <ul style="list-style-type: none"> Nature & scope of in service education program Organization of in service education Principles of adult learning Planning for in-service education program techniques, methods and evaluation of staff education program Preparation of report 	<ul style="list-style-type: none"> Lecture Discussion Plan & conduct an educational session for in service nursing personnel 	<ul style="list-style-type: none"> Short answers Objective type Assess the planning & conduct of the educational session

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
VI	10		<ul style="list-style-type: none"> Describe management of nursing educational institutions 	Management of nursing educational institutions <ul style="list-style-type: none"> Establishment of Nursing educational institution-INC norms and guidelines Co-ordination with: <ul style="list-style-type: none"> Regulatory bodies Accreditation Affiliation <ul style="list-style-type: none"> Philosophy/objectives Organization <ul style="list-style-type: none"> 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 Selection Recruitment Job description Placement Performance appraisal Development and Welfare Budgeting Equipments and supplies: audio visual equipments, laboratory equipments, 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 Explain the nursing practice standards 	Nursing as a profession <ul style="list-style-type: none"> Nursing as a profession: <ul style="list-style-type: none"> Philosophy, nursing practice Aims and objectives Characteristics of a professional nurse Regulatory bodies; INC, SNC Acts:- Constitution, functions Current trends and issues in Nursing 	<ul style="list-style-type: none"> Lecture Discussion Case discussion Panel discussion Role Plays Critical incidents Visit to INC/SNRCs 	<ul style="list-style-type: none"> Short answers Objective type Assessment of critical incidents

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	Th.	Pr.				
				<ul style="list-style-type: none"> Professional ethics: <ul style="list-style-type: none"> Code of ethics:INC, ICN Code of Professional conduct:INC, ICN Practice standards for Nursing: INC 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 		
VIII	3		<ul style="list-style-type: none"> Explain the various opportunities for professional advancement 	Professional Advancement: <ul style="list-style-type: none"> Continuing education Career opportunities Collective bargaining 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 	<ul style="list-style-type: none"> Short answers Group work on maintenance of bulletin board