## **BIO-SCIENCE**

**Placement-FIRST YEAR** 

Time: Theory- 120 hours
Anatomy and Physiology-90 hours
Microbiology- 30 hours

#### ANATOMY AND PHYSIOLOGY

#### **Course Description**

This course is designed to help students gain knowledge of the structure and function of the human body and recognize any deviation from normal health in order to render effective nursing services.

## **General Objective**

Upon completion of the course, the student shall be able to:

- 1. Describe in general the structure and functions of the human body.
- 2. Describe in detail the structure and functions of the different organs and systems in the human body.
- 3. Apply the anatomical and physiological principles in the practice of nursing.

Unit No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
I	Define and spell various anatomical terms.	Introduction to anatomical terms organization of the human body a) Anatomical terms b) Systems and cavities of the human body	4	Lecture cum Discussions.  Explain using charts Record book	Short answer questions Objective type
II.	Describe different organs of the body, systemic function and their inter-relationship.	Introduction to the detailed structure of the body  a) The cell: Structure, reproduction and function  b) Tissues including membranes and glands: types, structure and functions  c) Body cavities and their contents	6	Lecture cum Discussions.  Explain using microscopic slides, Skeleton and torso	Short answer questions Objective type
III	Describe the composition of blood and its functions.	Blood a) Composition and formation of blood b) Functions of blood c) Blood clotting, blood grouping and cross matching d) Blood products and their use.	6	Lecture cum Discussions.  Explain using microscopic slides	Short answer questions Objective type Essay type

Unit No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
				Demonstration of blood grouping and cross- matching, Hb estimation	
IV.	Describe the structure and functions of heart and blood vessels	The Circulatory System  a) Heart: Structure, functions including conduction system and cardiac cycle  b) Blood vessels: Types, Structure and position c) Circulation of blood d) Blood pressure and pulse	6	Lecture cum discussions. Explain using charts, models and specimen	Short answer questions Objective type Essay type
V.	Describe structure and functions of lymphatic system	The Lymphatic system - Structure and function of lymph vessels, Lymph nodes and lymph circulation, lymphatic tissue - spleen and thymus	6	Lecture cum discussions.  Explain using charts and models	Short answer Objective type Essay type
VI.	Describe the structure and functions of respiratory system	The Respiratory system  a) The structure and functions of respiratory organs b) The physiology of respiration c) Characteristics of normal respiration and deviation.	6	Lecture cum discussions.  Explain using charts and models, specimens  Demonstration of spirometry	Short answer Objective type Essay type
VII.	Describe the structure and function of digestive system	<ul> <li>The Digestive system</li> <li>a) Structure and functions of the alimentary tract and is accessory organs.</li> <li>b) The process of digestion, absorption and metabolism of food constituents.</li> </ul>	6	Lecture cum discussions. Explain using charts, models and videos	Short answer Objective type Essay type
VIII.	Describe the structure and functions of organs of Excretory system.	<ul> <li>The Excretory system</li> <li>a) Structure and functions of the kidney, ureters, urinary bladder, and urethra</li> <li>b) Formation and composition of urine.</li> <li>c) Fluid and electrolyte balance</li> <li>d) Structure and functions of the skin.</li> <li>e) Regulation of the body temperature.</li> </ul>	6	Lecture cum discussions. Explain using charts, slides models and videos	Short answer Objective type Essay type

Unit No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
IX.	Describe the structure and functions of endocrine glands.	The Endocrine system  - The structure and functions of the pituitary, thyroid, parathyroid and adrenal glands, pancreas (islets of Langerhans), ovaries and testes	6	Lecture cum discussions. Explain using charts and models	Short answer Objective type Essay type
X.	Describe the structure and functions of male and female reproductive system and accessory organs	The Reproductive system  a) Structure and functions of the female reproductive system b) Process of menstrual cycle, reproduction and menopause c) Structure and functions of breasts d) Structure and functions of the male reproductive system e) Reproductive health	8	Lecture cum discussions.  Explain using charts, videos, models and specimens	Short answer Objective type Essay type
XI.	Describe the structure and functions of Nervous system.	The nervous system  a) Types of nerves- structure and functions b) Brain and cranial nerves. c) Spinal cord and motor and sensory pathways of the spinal cord, autonomic nervous system.	10	Lecture cum discussions. Explain using charts and models	Short answer Objective type Essay type
XII.	Describe the structure and function of sensory organs	The sense organs  a) Skin, eye, ear, nose and tongue b) Physiology of vision, hearing, smell, touch, taste and equilibrium.	6	Lecture cum discussions.  Explain using charts, videos and models	Short answer Objective type Essay type
XIII.	Describe the structure and functions of skeletal system.	The Skeleton  a) Formation and growth of bones b) Tendons, ligaments and cartilages c) Classification of bones, joints d) Joint movement e) Axial and appendicular skeleton	8	Lecture cum discussions.  Explain using charts, models and skeleton	Short answer Objective type Essay type
XIV	Describe structure and functions of Muscular system.	The Muscular System  a) Type, structure and functions of muscle b) Origin, Insertion, and action of muscles	6	Lecture cum discussions.  Explain using charts, slides and models	Short answer Objective type Essay type

#### MICROBIOLOGY

#### **Course Description**

This course is designed to help students gain knowledge and understanding of the characteristics and activities of micro- organisms, how they react under different conditions and how they cause different disorders and diseases. Knowledge of these principles will enable student to understand and adopt practices associated with preventive and promotive health care.

#### **General Objectives**

Upon completion of the course, the students shall be able to:

- 1. Describe the classifications and characteristics of micro-organisms
- 2. List the common disease producing micro-organisms
- 3. Explain the activities of micro-organism in relation to the environment and the human body.
- 4. Enumerate the basic principles of control and destruction of micro-organisms.
- 5. Apply the principles of microbiology in nursing practice.

**Total Hours – 30** 

Unit. No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
I	Describe evolution of microbiology and its relevance in nursing.	Introduction  a) History of bacteriology and microbiology.  b) Scope of microbiology in Nursing	3	Lecture cum discussions.	Objective type Short answers
II	Classify the different types of micro organism. Describe the normal flora and the common diseases caused by pathogens Explain the methods to study microbes	Micro Organisms  a) Classification, characteristics,   (Structure, size, method and rate of reproduction)  b) Normal flora of the body. c) Pathogenesis & common diseases. d) Methods for study of microbes,   culture & isolation of microbes.	8	Lecture cum discussions.  Explain using slides, films, videos, exhibits, models Staining and fixation of slides.	Short answer Objective type Essay type
III	Describe the sources of infection and growth of microbes. Explain the transmission of infection and the principles in collecting specimens	Infection and its transmission a) Sources and types of infection, nosocomial infection. b) Factors affecting growth of microbes. c) Cycle of transmission of infection portals of entry, exit, modes of transfer. d) Reaction of body to infection, mechanism of resistance. e) Collection of specimens.	4	Lecture  Demonstrations Specimens  Explain using charts	Short answer Objective type Essay type

IV	Describe various	Immunity	5	Lecture cum	Short answer
	types of immunity,	a) Types of immunity – innate and		discussions.	
	hypersensitivity	acquired.			Objective type
	autoimmunity and	b) Immunization schedule.		Demonstration	
	immunizing agents	Immunoprophylaxis (vaccines, sera		Exhibits	Essay type
		etc.)			
		c) Hypersensitivity and autoimmunity.			
		d) Principles and uses of serological			
		tests			
V	Describe the various	Control and destruction of Microbes	5	Lecture,	Short answer
	methods of control	a) Principles and methods of microbial			
	and destruction of	control		Demonstration	Objective type
	microbes	-Sterilization		Videos Visit to	
		-Disinfection		the CSSD	Essay type
		-Chemotherapy and antibiotics			
		-Pasteurization			
		b) Medical and surgical asepsis			
		c) Bio-safety and waste management			
VI.	Demonstrate skill in	Practical Microbiology	5	Lecture,	
	handling & care of	a) Microscope – Parts, uses, handling			
	microscopes Identify	and care of microscope		Demonstrations	
	common microbes	b) Observation of staining procedure,		Specimens Slides	
	under the microscope	preparation and examination of			
		slides and smears			
		c) Identification of common			
		microbes under the microscope for			
		morphology of different microbes.			

## **BEHAVIOURAL SCIENCES**

**Placement-FISRT YEAR** 

Time- 60 Hours

Psychology- 40 hours

Sociology- 20 hours

#### **PSYCHOLOGY**

#### **Course Description**

This course is designed to help students understand the dynamics of human behavior and concept of mental health. This shall enable them to develop positive attitude and good inter – personal relationships in the practice of nursing in all health care settings.

#### **General Objectives**

Upon completion of the course, the students shall be able to:

- 1. Describe the concept of mental health and psychology.
- 2. Explain the dynamics of human behavior, personality and learning.
- 3. Discuss the role of adjustment mechanisms and emotions in health and illness.
- 4. Demonstrate skills in the application of principle of psychology in nursing practice in all kind of health care settings.

Unit. No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
I	State the concept, scope and importance of psychology.	Introduction a) Definition, nature and scope of psychology b) Importance of psychology for Nurses	2	Lecture cum discussion.	Short answer Objective type
II.	Describe the structure of the mind.	Structure of the mind a) Conscious, pre-conscious b) Id, ego and super ego	2	Lecture cum discussions.	Short answer Objective type
III.	Illustrate the dynamics of human behavior. Describe the concept of mental health	Psychology of Human Behavior  a) Basic human needs, dynamics of behavior, motivation drives b) Body mind relationship, mental health, characteristics of mentally healthy person, emotional control, psychological problems of patients and relatives.	12	Lecture cum discussions.  Role play	Short answer Objective type Essay type

Unit. No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
		c) Stress and conflicts, natural sources and types of stress and conflicts, dealing with stress and conflict, frustration – sources and overcoming frustration d) Mental mechanism their uses and importance e) Attitudes - meaning, development changes in attitude, effects of attitudes on behavior, importance of positive attitude for the nurse. f) Habits-meaning and formation. g) Breaking of bad habits, importance of good habit formation for the nurse.			
IV	Describe and apply the process of learning, thinking, reasoning, observation and perception	Learning a) Nature, types and laws of learning, b) Factors affecting learning, memory and forgetting.  Thinking and Reasoning - Nature and types of thinking, reasoning, problem solving, importance of creative thinking for nurse.  Observation and Perception - Attention, perception, laws of perception, factors affecting attention and perception, and errors in perception	13	Lecture cum discussions. Roleplay	Short answer Objective type Essay type
V.	Discuss the concept and development of personality.	Personality a) Meaning, nature and development, types of personality b) Assessment of personality importance of knowledge of personality for the nurse. c) Characteristics of various age groups – child adolescent, adult and aged d) Will and character.	6	Lecture cum discussions.  Role play  Psychometric assessment	Short answer Objective type Essay type
VI.	Discuss the nature and measurement of intelligence.	Intelligence a) Definition, Meaning, individual differences in intelligence b) Mental ability, nature of intelligence and development c) Assessment of intelligence	5	Lecture cum discussions.  Demonstration  Role play  IQ testing	Short answer Objective type Essay type

#### **SOCIOLOGY**

#### **Course Description**

This course is designed to help student gain an understanding of sociology in the context of its relevance to nursing practice.

#### General Objectives

Upon completion of the course, the students shall be able to:

- 1. Describe the concept of the family as a social unit and the status of the individual in the family.
- 2. Explain the dynamics of society and identify common social problems.
- 3. Demonstrate ability to understand the socio cultural and economic aspects of the community in the light of their effects on health and illness.
- 4. Utilize the knowledge and understanding of sociology in nursing practice.

**Total Hours - 20** 

Unit No.	Learning Objectives	Content	Hr.	Teaching learning activities	Method of assessment
I	Describe the nature, scope & content of sociology and its importance in	Introduction a) Definition and scope of sociology b) Its relationship with other social sciences c) Uses of sociology for nurses.	2	Lecture cum discussions	Short answer Objective type
П	nursing  Describe the influence of the environment on individual development and the rights and responsibilities of the individual in the society	Individual  a) Review of human growth and development b) The socialization process c) Effect of environment on human growth and development d) Rights and responsibilities of the individual in a democratic society.	2	Lecture cum discussions	Short answer Objective type Essay type
III	Describe the concept of family as a social unit	<ul> <li>The Family</li> <li>a) Definition, characteristics and types of family.</li> <li>b) Family cycle and basic needs of family</li> <li>c) Importance of interdependence of family members.</li> <li>d) Important functions of family and their problems.</li> <li>e) Types of Marriage, medical and sociology aspects of marriage.</li> </ul>	4	Lecture cum discussions	Short answer Objective type Essay type

Unit No.	Learning Objectives	Content	Hr.	Teaching learning activities	Method of assessment
IV	Describe about social groups, social change, control, stratification and social problems	<ul> <li>Society</li> <li>a) Definition and meaning.</li> <li>b) Social groups - Types, Structure, intergroup relationship group cycle, group behavior and group morale.</li> <li>c) Social change -Meaning, factors affecting and effect on society and institution leading to social problems.</li> <li>d) Social control</li> <li>e) Social stratification</li> <li>f) Social problems-Prostitution, crime divorce, dowry system, juvenile delinquency, drug addiction alcoholism, handicapped, over population and slum</li> <li>g) Social agencies and remedial measures</li> </ul>	8	Lecture cum discussions  Visits to social institutions	Short answer Objective type Essay type
V	Describe the culture and characteristics of community	The Community a) Community — Definition and types — Rural and urban b) Culture and characteristics	4	Lecture cum discussions	Short answer Objective type Essay type

#### NURSING FOUNDATIONS

**Placement-FIRST YEAR** 

Time- 210 hours

Fundamentals of Nursing- 190 hours

First- Aid- 20 hours

#### **FUNDAMENTALS OF NURSINGS**

#### **Course Description**

This course is designed to help students develop an ability to meet the basic health need of the patients with regard to nursing care and develop skill in the competencies required for rendering effective patient care.

#### **General Objectives**

Upon completion of the course, the students shall be able to:

- 1 Describe the physical, mental and social adjustment required of a sick individual and his family.
- 2 Carry out basic nursing techniques and care with the application of sound scientific principle.
- 3 Explain the concept of comprehensive nursing care.
- 4 Develop skills in assessment, planning, implementation and evaluation of the nursing care rendered to the patients.
- 5 Communicate effectively and establish good interpersonal relationship with the patients, their relatives and other health team members.
- 6 Demonstrate skills in observation, recording and reporting.
- 7 Recognize and utilize opportunities for planning and implementing need based health teaching programme (s) for individuals, groups, families and communities.

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
I	Define nursing and explain its nature, meaning, scope,ethics and principles in nursing.  Identify the qualities of	Introduction to Nursing  a) Nursing – concept, meaning, definitions, scope and functions. b) History of nursing in India c) Nursing as a profession d) Nursing professional – qualities and preparation.	25	Lecture cum discussions	Short answer Objective type Essay type

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
	a professional nurse health care agencies and its functions.  Describe the holistic approach to nursing and the determinants of health and the effects of illness.	<ul> <li>e) Ethics in Nursing-roles and responsibilities of a nurse.</li> <li>f) Health care agencies – hospital and community service – types and function of hospitals health team.</li> <li>g) Modern approaches to nursing care including holistic nursing care h) Health and Disease</li> <li>Definition of health, determinants of health status.</li> <li>Basic human needs</li> <li>Illness and its effects on individual</li> </ul>			
II	Describe nursing care of the patient/client in hospital using nursing process.  Demonstrate skill in the admission and discharge process, maintenance of safe environment and records and reports	Nursing care of the patient a) Patient Environment in the hospital: Patients unit b) Therapeutic environment - Physical factors – lighting temperature, ventilation, humidity, noise, pestilence Safety needs, prevention of environmental hazard - Psychosocial and aesthetic factors. c) Patient's Adjustment to the Hospital Understanding the patient as a person, socio-economic, and cultural background, health status etc Effect of hospitalization on patient and family Admission, transfer, discharge procedures d) Basic Nursing Skills Communication - Nursing interview - Recording and reporting e) Nursing Process - Meaning and importance - Assessment, Nursing diagnosis Planning, Implementation and Evaluation - Nursing care plan.	6	Lecture cum discussions.  Demonstration of maintaining the records and reports  Role Play	Short answer Objective type Essay type Return demonstration

Unit. Learning No. Objectives	ntent Hr.	Method of Teaching	Assessment methods
Demonstrate skill in meeting basic care of the patient  - Body mechanics transferring - Position and posts - Comfort devices - Beds and bed making, typ linen - Safety devices, re - Exercises – Activ b) Hygienic needs - Personal and environmen - Care of eyes, nose feet Care of mouth, sk - Care of pressure a c) Elimination need - Health and sick - Problems – constite retention and incentation and incentation and incentation and incentation and generation and generat	eep and exercise dist promotion s—moving, lifting, are maintenance sing — Principles of es and care of bed straints and splints e and Passive ronmental hygiene sintaining personal tal hygiene. e, ears, hands and in, hair and genitalia areas, bed sores. so ness pation and diarrhea, continence of urine. eeting elimination and urinal, ecording iving of laxative, nemas, bowel wash, e of patient with diapers. take and output ad disease g nutrition in illness, meeting patients s.	ecture cum discussion  Demonstration	Short answer Objective type Essay type Return demonstration Assessment using checklist

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
IV	Describe the	<ul> <li>Importance</li> <li>Nurse's role -Diversional and Recreational therapy</li> <li>f) Care of terminally ill and dying patient</li> <li>Dying patient's signs and symptoms needs of dying patient and family,</li> <li>Nursing care of dying-: special considerations; advance directives, euthanasia, will, dying declaration, organ donation etc.</li> <li>Medico legal issues</li> <li>Care of the dead body</li> <li>Care of unit</li> <li>Autopsy</li> <li>Embalming</li> </ul>	14	Lecture cum	Short answer
IV	principles of assessment demonstrate skills in assessing the patient	Assessment of patient/client  a) Physical Assessment  - Importance, principles, methods of assessment  - Height, Weight, posture  - Head to toe examination.  b) Physiological Assessment  - Vital signs, normal, abnormal Characteristics, factors influencing the variations,  - Observation and collection of specimens-urine, stool, vomitus and sputum.  c) Psychological Assessment  - Mood, Intelligence, Emotions Normal and Abnormal behavior.	14	discussions  Demonstration	Objective type Essay type Return demonstration Assessment using checklist
V	Describe the infection control, methods in the clinical setting.  Demonstrate infection control practices	Infection control a) Infection control: - Nature of infection - Chain of infection transmission - Defence against infection: natural and acquired - Hospital acquired infection ( nosocomial infection) b) Concept of asepsis: - Medical and surgical asepsis - Isolation precautions, barrier nursing - Hand washing: simple, hand asepsis, surgical asepsis (scrub) - Isolation – source and protection - Personal protective equipments types, uses and techniques of wearing and removing		Lecture cum discussion  Demonstration  Explain using manual of biomedical waste management of Government of India  Demonstration  Videos Simulation exercises	Short answers Essay type Objective type

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		<ul> <li>Decontamination of unit and equipment</li> <li>Transportation of infected patient</li> <li>Standard safety precaution</li> <li>Transmission based precautions</li> <li>Bio-medical waste management</li> <li>Importance</li> <li>Types of hospital wastes</li> <li>Hazards associated with hospital waste</li> <li>Decontamination of hospital waste</li> <li>Segregation and transportation</li> <li>Disposal</li> </ul>	20		
VI	Describe therapeutic nursing care	Therapeutic Nursing Care  a) Care of patients with respiratory problems/dyspnea  - Deep breathing and coughing exercises  - O2 inhalation  - Dry and moist inhalation  - Oro nasal suctioning  b) Care of patient with altered body temperature-Hot and cold Applications  c) Care of patients with Fluid and Electrolyte imbalance  d) Care of unconscious patient  e) Care of the bed-ridden patient(traction, fractures etc.)  f) Care of patient with pain  g) Care of patients with body elimination deviation	30	Lecture cum discussions.  Demonstration	Short answer Objective type Essay type Return demonstration Assessment using checklist
VIII	Explain the principles, routes, effects of administration of medications	Introduction to clinical Pharmacology    Administration of medication:    a) General Principles/Considerations    - Purposes of medication    - Principles: Rights, special    considerations, prescriptions, safety    in administering medications and    medication errors    - Drugs forms    - Routes of administration    - Storage and maintenance of drugs and    nurses responsibility    - Broad classification of drugs    - Therapeutic effect, side effect, toxic    effect, allergic reaction, drug tolerance,    drug interactions    - Factors influencing drug actions    - Systems of drug measurement: metric    system, household measurements.	30	Lecture cum discussions.  Demonstration	Short answer Objective type Essay type Return demonstration Assessment using checklist

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		- Converting measurements units:			
		conversion within one system, between			
		systems, dosage calculations.			
		- Terminologies and abbreviations used			
		in prescription of medications.			
		b) Oral drug administration: oral,			
		sublingual, buccal: equipment and			
		procedure.			
		c) Parentral:			
		- General principles			
		- Types of parentral therapies.			
		- Types of syringes, needles, canulas and			
		infusion sets,			
		- Protection from needle stick injuries,			
		giving medications with a safety			
		syringe.			
		- Routes of parentral therapies:			
		- Purposes, site equipment, procedure			
		and special considerations in			
		giving intradermal, subcutaneous,			
		intramuscular and intravenous			
		medications.			
		- Advanced techniques : epidural,			
		intrathecal, intraosseous,			
		intraperitoneal, intrapleural, intra			
		arterial			
		- Role of nurse			
		d) Topical administration: purposes,			
		site, equipment, procedure, special			
		considerations for applications to skin			
		and mucous membrane.			
		e) Direct application:			
		- Gargle, throat swab			
		- Insertion of drug into body cavities :			
		nasal pack, suppositories / medicated			
		packing into rectum / vagina			
		- Instillations: ear, eye, nasal, bladder and			
		rectal.			
		- Irrigations: eye, ear, bladder, vaginal			
		and rectal. Spray: nose and throat			
		f) Inhalations: nasal, oral, endotracheal,			
		tracheal (steam, oxygen and			
		medications) – purposes, types,			
		equipment, procedure and special			
		considerations.			
		g) Recording and reporting of medications			
		administered.			

#### FIRST AID

#### **Course Description**

This course is designed to help students develop and understanding of community emergencies and be able to render first aid services as and when need arises.

#### **General Objectives**

Upon completion of this course, the students shall be able to:

- 1. Describe the rules of first aid.
- 2. Demonstrate skills in rendering first aid in case of emergencies.

**Total Hours - 20** 

Unit	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
I	Describe the importance and principle of first aid	Introduction a) Definition, Aims and Importance of first aid b) Rules/ General principles of First Aid c) Concept of emergency	2	Lecture cum discussions	Short answer Objective type
II	Demonstrate skill in first aid techniques	Procedures and Techniques in First Aid  a) Preparation of First Aid kit. b) Dressing, bandaging and splinting(spiral, reverse spiral, figure of 8 spica, shoulder, hip, ankle, thumb, finger, stump, single and double eye, single and double ear, breast, jaw, capelin), triangle bandage uses, abdominal binder and bandage, breast binder, T and many tail bandage, knots reef, clove. c) Transportation of the injured d) CPR: Mouth to mouth, Sylvester, Schafer, External cardiac massage	8	Lecture cum discussions  Demonstration Videos  Simulation exercises.	Short answer Objective type Return demonstration
III	Describe first aid in common emergencies	First Aid in emergencies  a) Asphyxia, drowning, shock b) Wounds and Bleeding c) Injuries to the Bones, Joints and Muscle - fractures, sprains, strains, hanging, falls	6	Lecture cum discussions.  Videos  Demonstration	Short answer Objective type Return demonstration

Unit	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
		<ul> <li>d) Burns and scalds</li> <li>e) Poisoning – ingestion, inhalation, bites and stings</li> <li>f) Foreign body in eye, ear, nose and throat.</li> </ul>			
IV	List various community emergencies and community resources.	Community Emergencies & Community Resources  a) Fire, explosion, floods, earth-quakes, famines etc  b) Role of nurses in disaster management c) Rehabilitation d) Community Resources - Police, Ambulance services - Voluntary agencies-local, state national and international	4	Lecture cum discussions.  Videos  Mock drill  Simulation exercise  Videos  Field visit to voluntary agencies.	Short answer Objective type Essay type

## NURSING FOUNDATIONS- PRACTICAL

Placement: First Year Time: Practical – 880 hours

Lab - 200 hours

Clinical – 680 hours

**Course Description:** This course is designed to help the students to acquire knowledge, attitude and skills in techniques of nursing and practice them in clinical settings

The nurse on completion of this course will be able to:

- ☐ Demonstrate appropriate attitudes and skills in providing comprehensive nursing care to patients based on nursing process.
  - Assess the nursing needs of the clients by collecting complete data, making relevant observation and analyze the data collected.
  - · Plan for appropriate nursing care by prioritizing the needs and executing competent nursing actions.
  - Implement effective nursing care by integrating scientific principles for maintaining health optimum
  - Promote the health of the individual and the community by giving appropriate health teaching.
  - Evaluate the patients response to nursing care provided.
  - Apply the theoretical knowledge to the appropriate clinical nursing practice.
  - Demonstrate skill in the use of problem solving methods in nursing practice.
  - Contribute for promotion of health prevention of illness & restoration of health of people by working with other health team members.
  - Gain knowledge of health resources in the community and the country.
  - Demonstrate leadership skills in working with health team, community and others in the provision of health care.
  - Recognize the need for continuing education for professional development.
  - Demonstrate use of ethical values in their personal and professional life.
  - Assist in research activities.

Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
Supervised practice in Lab General Medical and surgery wards	200 680 (Minimum practice time in clinical area)	Performs     admission     and discharge     procedure	Hospital admission and discharge  a) Admission: Prepare Unit for new patient Prepare admission bed Perform admission procedure New patient Transfer in Prepare patient records  b) Discharge/Transfer out Gives discharge counseling Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals andtransfers) Prepare records of discharge/transfer Dismantle, and disinfect unit and equipment after discharge/transfer	• Practice in Unit/ hospital	Evaluate with checklist     Assessment of clinical performance with rating scale     Completion of Practical record
		• Prepares nursing care plan as per the nursing process format	Perform assessment:  History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions  Write Nursing Care Plan Gives care as per the plan	<ul> <li>Write nursing process records of patient</li> <li>Simulated -1</li> <li>Actual - 1</li> </ul>	<ul> <li>Assessment of nursing process records with checklist</li> <li>Assessment of actual care given with rating scale</li> </ul>
		Communic ates effectively with patient, families and team members and     Maintains effective human relations	Communication     Use verbal and non verbal communication techniques  Prepare a plan for patient teaching session	Role-plays in simulated situations on communication techniques-1     Health talk-1	<ul> <li>Assess role plays with the checklist on comm. unication techniques</li> <li>Assess health talk with the checklist</li> <li>Assessment of communication techniques by rating scale</li> </ul>

Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
		• Develops plan for patient teaching			
		• Prepares patient reports • Presents reports	<ul> <li>Write patient report</li> <li>Change-of shift reports,</li> <li>Transfer reports, Incident reports etc.</li> <li>Present patient report</li> </ul>	• Write nurses notes and present the patient report of 2-3 assigned patients	Assessment of performance with rating scale
		Monitors vital signs	<ul> <li>Vital signs</li> <li>Measure, records and interpret alterations in body temperature, pulse, respiration and blood pressure</li> </ul>	<ul> <li>Lab practice</li> <li>Measure         Vital signs             of assigned             patient     </li> </ul>	Assessment of each skill with checklist     Completion of activity record
		Performs     health assess- ment of each body system	<ul> <li>Health assessment</li> <li>Health history taking</li> <li>Perform assessment: General Body systems</li> <li>Use various methods of physical examination</li> <li>Inspection, Palpation, Percussion, Auscultation, Olfaction Identification of system</li> <li>wise deviations</li> </ul>		
		• Provides basic nursing care to patients	<ul> <li>Prepare Patient's unit:</li> <li>Prepare beds:</li> <li>Open, closed, occupied, operation, amputation,</li> <li>Cardiac, fracture, burn, Divided, &amp; Fowler's bed</li> <li>Pain assessment and provision for comfort</li> </ul>	Practice in lab     & hospital	
			Use comfort devices Hygienic care:  Oral hygiene: Baths and care of pressure points Hair wash, Pediculosis treatment		

Areas	Time	Objectives	Skills	Assignments	Assessment
	(Hours)		T2 12	T	methods
			Feeding: Oral/ Enteral, Naso/Orogastric,		
			gastrostomy and Parenteral		
			feeding		
			Naso-gastric tube insertion,		
			suction, and irrigation		
			Assisting patient in urinary		
			elimination		
			Provide urinal/bed pan		
			Condom drainage		
			Perineal care     Cathodorization		
			<ul><li>Catheterization</li><li>Care of urinary drainage</li></ul>		
			Care of urinary drainage     Bladder irrigation Assisting		
			bowel Elimination:		
			Insertion of Flatus tube		
			• Enemas		
			Insertion of Suppository		
			Bowel wash Body		
			Alignment and Mobility:		
			• Range of motion exercises		
			Positioning: Recumbent,		
			Lateral, Fowlers, Sims,		
			Lithotomy, Prone,		
			Trendelenburg positon-		
			<ul> <li>Assist patient in Moving,</li> </ul>		
			lifting, transferring, walking		
			Restraints		
			Oxygen administration		
			• Mask		
			• Prongs		
			• Tent		
			<ul> <li>Catheters</li> </ul>		
			Suctioning: oropharyngeal,		
			nasopharyngeal		
			Chest physiotherapy and		
			postural drainage		
			Care of Chest drainage		
			CPR- Basic life support	• Simulated exercise on CPR	
			Observation of Intravenous	manikin	
			therapy		
			пстару		
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Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment methods
Areas	Time (Hours)	Objectives	Blood and blood component therapy  Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids  Perform lab tests:  Urine: sugar, albumin, acetone  Blood: sugar (with strip/gluco-meter)  Application of hot and cold therapies:  Local and general  Dry and moist  Communicating and assisting with self-care of visually & hearing impaired patients  Communicating and assisting with self-care of mentally	Assignments	Assessment methods
			challenged/disturbed patients  Recreational and diversional therapies  Caring of patient with alteration in sensorium		
		Performs infection control procedures	<ul> <li>Infection control</li> <li>Perform following procedures:</li> <li>Hand washing techniques</li> <li>Simple, hand antisepsis and surgical antisepsis (scrub)</li> <li>Prepare isolation unit in lab/ward</li> </ul>	Observation study -2     Department of Infection control & CSSD     Visits CSSD write observation report 1	<ul> <li>Assess observation study with checklist</li> <li>Evaluate all procedures with checklist</li> </ul>

Time Objectives	S Skills	Assignments	Assessment methods
Jours)	• Practice technique of wearing and removing Personal protective equipment (PPE) • Practice Standard safety precautions (Universal precautions)  Decontamination of equipment and unit: • Surgical asepsis: • Sterilization • Handling sterilized equipment • Calculate strengths of solutions, • Prepare solutions • Care of articles  Pre and post-operative care: • 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 of minor wounds, careof Drainage / Application of Binders, Splints& Slings • Bandaging of various body parts  Administration of medications • Administer Medications in different forms and routes • Oral, Sublingual and Buccal • Parenteral: Intradermal, subcutaneous, Intramuscular etc.	Collection of samples for culture     Do clinical posting in infection control department and write report     Practice in lab/ward	
	Assist with Intravenous medications		

	Drug measurements and	
	Drug measurements and	
	dose calculations	
	Preparation of lotions and	
	solutions	
	Administer topical	
	applications	
	Insertion of drug into body	
	cavity: Suppository &	
	medicated packing etc.	
	Instillation of medicines	
	into Ear, Eye, Nose and	
	throat	
	• Irrigations: Eye, Ear,	
	bladder, Vagina and Rectum	
	Inhalations: dry and moist	
	Medicated/Nebulization	
	Identification of	
	spurious drugs.	
	• Record date, time,	
	medication, dose, route	
	And sign immediately after	
	administration	
• Provide	Care of dying patient	
care to	Provide care for the	
dying and	terminally ill	
dead	Caring and packing of dead	
Counsel	Body	
and suppor	rt • Counseling and supporting	
relatives	grieving relatives	
	Handing over the body &	
	valuables	
	Transferring to mortuary	
	with proper identification	
	Terminal care of the unit	
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## **COMMUNITY HEALTH NURSING**

Placement- First Year Time- 180 hours

CHN-I – 80 hours Environmental Hygiene- 30 hours Health Education & Communication skills- 40 hours

#### **COMMUNITY HEALTH NURSING - I**

#### **Course Description**

This course is designed to help students gain an understanding of the concept of community health in order to introduce them to the wider horizons of rendering nursing services in a community set – up, both in urban and rural areas.

#### **General Objectives**

Upon completion of this course, the students shall be able to:

- 1 Describe the concept of health, community health and community health nursing.
- 2 State the principles of epidemiology and epidemiological methods in community health nursing practice.
- 3 Explain the various services provided to the community and role of the nurse.
- 4 Demonstrate skills to practice effective nursing care of the individuals and families in the clinics as well as in their homes, using scientific principles.

Total Hours - 80

Nutrition- 30hours

Unit No.	Learning Objectives	Content	Hr	Teaching Learning activities	Method of Assessment
I	Describe the concept of health and disease and community health	Introduction to Community Health a) Definitions: Community, Community health, community health nursing b) Concept of Health and disease, dimensions and indicators of health, Health determinants c) History & development of Community Health in India& its	10	Lecture cum discussions.	Short Answers
		present concept. d) Primary health care, Millennium Development Goals e) Promotion and maintenance of Health			

Unit No.	Learning Objectives	Content	Hr	Teaching Learning activities	Method of Assessment
П	Explain various aspects of Community Health Nursing. Demonstrate skills in applying nursing process in Community Health Nursing settings	a) Philosophy, goals, objectives & principles, concept and importance of Community Health Nursing, b) Qualities and functions of Community Health Nurse c) Steps of nursing process; community identification, population composition, health and allied resources, community assessment, planning & conducting community nursing care services.	14	Lecture cum discussions.	Short answers Essay type
III	Demonstrate skill in assessing the health status and identify deviations from normal parameters in different age groups.	Health Assessment  a) Characteristics of a healthy individual b) Health assessment of infant, preschool, school going, adolescent, adult, antenatal woman, postnatal woman, and elderly.	10	Lecture cum discussions.  Demonstration  Role Play  Videos	Short answers Objective type Essay type Return demonstration
IV	Describe the principles of epidemiology and epidemiological methods in community health nursing practice.	Principles of Epidemiology and Epidemiological methods a) Definition and aims of epidemiology, communicable and non-communicable diseases. b) Basic tools of measurement in epidemiology c) Uses of epidemiology d) Disease cycle e) Spectrum of disease f) Levels of prevention of disease. g) Disease transmission – direct and indirect. h) Immunizing agents, immunization and national immunization schedule. i) Control of infectious diseases. j) Disinfection.	10	Lecture cum discussions.  Non-communicable disease module of government of India.  Field visit	Short answers Objective type Essay type
V	Demonstrate skill in providing comprehensive nursing care to the family.	Family Health Nursing Care a) Family as a unit of health b) Concept, goals, objectives c) Family health care services d) Family health care plan and nursing process.	12	Lecture cum discussions.  Role play  Family visit	Short answers Essay type

Unit No.	Learning Objectives	Content	Hr	Teaching Learning activities	Method of Assessment
		<ul> <li>e) Family health services – Maternal, child care and family welfare services.</li> <li>f) Roles and function of a community health nurse in family health service.</li> <li>g) Family health records.</li> </ul>			
VI.	Describe the principles and techniques of family health care services at home and in clinics.	Family Health Care Settings Home Visit:  a) Purposes, Principles b) Planning and evaluation c) Bag technique d) Clinic: Purposes, type of clinics and their functions e) Function of Health personnel in clinics	10	Lecture cum discussions.  Demonstration  Visits – Home, health center	Short answer  Return demonstration
VII	Describe the referral system and community resources for referral	Referral System a) Levels of health care and health care settings. b) Referral services available c) Steps in referral. d) Role of a nurse in referral	6	Lecture cum discussions.  Mock drill	Short answer Objective type
VIII	List the records and reports used in community health nursing practice	Records and reports a) Types and uses b) Essential requirements of records and reports c) Preparation & Maintenance	3	Lecture cum discussions.  Exhibit the records.	Short answer Objective type
IX.	Explain the management of minor ailments.	Minor Ailments a) Principles of management b) Management as per standing instructions/orders.	5	Lecture cum discussions.	Short answer Objective type

# **Community Health Nursing I- Practical**

Placement: First Year Time: Practical – 320 hours (8 weeks)

Areas	Duration	Objectives	Skills	Assignments	Assessment methods
Community health Nursing - urban / rural	8 weeks	a) Organize home visit b) Prepare bagand demonstrate bag technique. c) Build up and maintain rapport with family. d) Identify needs of community e) Practice procedure f) Make referrals. g) Plan and conduct health education on identified health needs. h) Set up clinics with help of staff. i) Maintain records and reports j) Collect and record vital health statistics. k) Learn about various organizations of community health importance. l) Health Assessment family m) Identify the health needs of various age groups. n) Assess the environment o) Maintain family folders. p) Assessment nutritional needs q) Demonstrate different method of preparing food according to the nutritional need of family.	<ul> <li>Conducting Home visits.</li> <li>Nutritional assessment of individuals.</li> <li>Provide care at home as per Standing Orders / protocol.</li> <li>Conduct health Education.</li> <li>Set up of different Clinics.</li> <li>Maintain Records &amp; Reports.</li> <li>Practice family health nursing.</li> <li>Demonstrate different methods of preparation of Meals.</li> </ul>	<ul> <li>Daily Diary</li> <li>Health talk -2</li> <li>Family care plan based on family study -2.</li> <li>Health assessment of an individual -2</li> <li>Community Profile – 2</li> <li>Report of visit to water purification plant, sewage plant, milk dairy, panchayat.</li> </ul>	Assess clinical performance with rating scale.     Evaluation of daily diary, health talk, family care plan, health assessment, community profile, observation report.

#### **ENVIRONMENTAL HYGIENE**

#### **Course Description**

This course is designed to help students acquire the concept of health, understanding of the principles of environmental health and its relation to nursing in health and disease.

#### **General Objectives**

Upon completion of this course, the students shall be able to:

- 1 Describe the concept and principles of environmental health.
- 2 Demonstrate skills to apply the principles of environmental hygiene in caring for self and others.
- 3 Describe the environmental health hazards, related health problems and the services available to meet them.

Unit.	Learning Objectives	Content Unit wise	Hr	Teaching learning activities	Method of assessment
I	Explain the importance of healthy environment and its relation to health and disease.	Introduction a) Components of environment b) Importance of healthy environment	2	Lecture cum discussions.	Short answer
II	Describe the environmental factors contributing to health andillness.	Environmental Factors Contributing to Health  a) Water:  - Sources and characteristics of safe and wholesome water  - Uses of water.  - Rain water harvesting  - Water pollution – natural and acquired impurities  - Water borne diseases  - Water purification-small and large scale  b) Air:  - Composition of air  - Airborne diseases  - Air pollution and its effect on health  - Control of air pollution and use of safety measures.	22	Lecture cum discussions  Demonstration  Exhibits  Visit to water Purification plant, sewage treatment plant	Short answers Objective type Essay type

Unit.	Learning Objectives	Content Unit wise	Hr	Teaching learning activities	Method of assessment
		c) Waste:     Refuse – garbage, excreta and sewage     Health hazards     Waste management: collection, transportation and disposal. d) Housing:     Location     Type     Characteristics of good housing     Basic amenities     Town planning e) Ventilation:     Types and standards of ventilation f) Lighting:     Requirements of good lighting     Natural and artificial lighting     Ves of solar energy g) Noise     Sources of noise     Community noise levels     Effects of noise pollution     Noise Control measures h) Arthropods:     Mosquitoes, housefly, sand fly, human louse, rat fleas, rodents, ticks etc.     Control measures			
III.	Describe the community organization to promote environmental health.	Community organizations to promote environmental health  a) Levels and types of agencies:  - National, state, local  - Government, voluntary and social agencies.  b) Legislations and acts regulating the environmental hygiene.	6	Lecture cum discussions.	Short answer Objective type.

#### HEALTH EDUCATION AND COMMUNICATION SKILLS

#### **Course Description**

This course is designed to help students to

- 1. Acquire the concept of health education and develop an ability to select and/or prepare appropriate audio-visual aids and use them effectively to communicate with the individuals and community
- 2. Understand the principles of communication and counseling, and its application in nursing practice.

#### **General Objectives**

Upon completion of this course, the students shall be able to:

- 1 Describe the concept of health education, communication skills including soft skills, audio visual aids and health education agencies.
- 2 Identify and utilize opportunities for health education.
- 3 Describe the application of information technology in preparation and use of various health teaching aids.
- 4 Develop effective communication and counseling skills.

Unit.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
I	Describe the concept and different aspects of communication	Communication Skills  a) Definition, process, purposes, principles, types and importance of communication b) Barriers in communication c) Establishment of successful communication. d) Observing and listening skills.	8	Lecture cum discussions.  Demonstration  Role play	Short answers Objective type Return demonstration
II	Describe the aims and objectives, scope, levels, approaches and principles of health education	<ul> <li>Health Education</li> <li>a) Concept, definition, aims and objectives of health education</li> <li>b) Principles of health education</li> <li>c) Process of change/modification of health behavior</li> <li>d) Levels and approaches of health education</li> <li>e) Methods of health education</li> <li>f) Scope and opportunities for health education in hospital and community</li> <li>g) Nurse's role in health education.</li> </ul>		Lecture cum discussions.	Short answers Objective type

Unit.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
III	Demonstrate the skills of counseling.	Counseling a) Definition, purpose, principles, scope and types b) Counseling process: steps and techniques c) Qualities of a good counselor d) Difference between health education and counseling e) Role of nurse in counseling	8	Lecture cum discussion Role play	Short answer Essay type.
IV	Describe the types of AV aids. Demonstrate skill in preparing and using different kinds of audio – visual aids	<ul> <li>Methods and Media of Health Education</li> <li>a) Definition, purpose and types of audiovisual aids and media</li> <li>b) Selection, preparation and use of audiovisual aids: graphic aids, printed aids, three dimensional aids and projected aids</li> <li>c) Advantages and limitations of different media</li> <li>d) Preparation of health education plan</li> </ul>	18	Lecture cum discussions  Exhibits.  Demonstration	Evaluation of prepared audio visual aids. Written test

#### **NUTRITION**

#### **Course Description**

This course is designed to help students understand that nutrition is an integral component of health as nutrients play a vital role in the growth, development and maintenance of the body.

#### **General Objectives**

Upon completion of this course, the students shall be able to:

- 1 Describe the principles of nutrition and dietetics and its relationship to the human body in health and disease.
- 2 Describe the balanced diet in promotion of health
- 3 Apply this knowledge in providing therapeutic diet in care of the sick.
- 4 Demonstrate skills in selection, preparation and preservation of food.

**Total Hours – 30** 

Unit.	Learning Objectives	Content	Hr.	Teaching learning activities	Methods of assessment
I	Describe the	Introduction	2	Lecture cum	Short answer
	relationship	a) Meaning of food, nutrition,		discussions.	types
	between nutrition	nutrients etc.		E alaba alaa	Object
	and health	b) Food Habits and customs		Explain using charts	Objective type
		<ul><li>c) Factors affecting nutrition</li><li>d) Changing concepts in food and</li></ul>		Charts	
		nutrition.			
		e) Relation of Nutrition to Health			
II	Describe the	Classification of food	2	Lecture cum	Short answers
	classification of	a) Classification by origin:		discussions.	
	food.	- Food and animal origin			Objective type
		- Food of plant origin		Real food	
		b) Classification by chemical		items	Essay type
		composition and sources		Exhibits charts	
		<ul><li>Carbohydrates</li><li>Proteins</li></ul>		Exhibits charts	
		- Froteins - Fats			
		- Minerals			
		- Vitamins			
		- Water			
		c) Classification by predominant			
		functions			
		- Body building food			
		- Energy giving food			
		- Protective food			

Unit.	Learning Objectives	Content	Hr.	Teaching learning activities	Methods of assessment
III	Explain normal dietary requirements Demonstrate skill in calculating normal food requirements.	d) Classification by nutritive value	4	Lecture cum discussions.  Charts exhibits  Real food Practical exercise	Short answer Objective type Essay type
IV	Describe theprinciples and various methods of preparation, preservation and storage of food.	Food Preparation, Preservation & Storage  a) Principles of cooking, methods of cooking and the effect of cooking on food and various nutrients.  Safe food handling, health of food handlers.	2	Lecture cum discussions.  Field visit to food processing unit.	Short answer type  Objective type

Unit.	Learning Objectives	Content	Hr.	Teaching learning activities	Methods of assessment
V	Describe about	<ul> <li>b) Methods of food preservation—household and commercial, precautions.</li> <li>c) Food storage – cooked and raw, household and commercial, ill effects of poorly stored food.</li> <li>d) Food adulteration and acts related to it.</li> <li>Therapeutic Diet</li> </ul>	8	Demonstration exhibits  Lecture cum	Evaluation of exhibit preparation.  Short answers
V	therapeutic diet	a) Diet modification in relation to medical and surgical condition of the individual such as Protein Energy Malnutrition (PEM), Diabetes, Cardio Vascular disease, Hepatitis, Renal, Gouts, Irritable Bowel Syndrome (IBS), Obesity, cholecystectomy, partial gastrectomy, gastrostomy, bariatric surgery and colostomy etc. b) Special diet – low sodium diet, fat free diet, diabetic diet, bland diet, high protein diet, low protein diet, low calorie diet, geriatric diet,iron rich diet, liquid diet, semi-solid diet, soft diet and high fiber dietetc c) Factors affecting diet acceptance, feeding the helpless patient. d) Health education on nutrition needs and methods in diet modification.		discussions.  Practical of planning Therapeutic diet  Demonstration Charts Exhibits	Objective type Essay type
VI	Describe the concept of community nutrition	Community Nutrition  a) Nutritional problems and programs in India  b) Community food supply, food hygiene and commercially prepared and grown food available locally.  c) National and international food agencies – Central food training research institute (CFTRI), Food and agriculture organization	4	Lecture cum discussions.  Videos Government of India nutrition manuals.	Short answer Objective type

Unit.	Learning Objectives	Content	Hr.	Teaching learning activities	Methods of assessment
		(FAO), National Institute of Nutrition (NIN), Food Safety and Standards Authority of India (FSSAI), CARE (Cooperative for Assistance and Relief Everywhere), National Institute of Public Cooperation and Child Development (NIPCCD) etc.		Visit to the local food preparation / processing agency.	
VII	Demonstrate skill in preparation of common food items.	Preparation of diet / practical a) Beverages: hot and cold, juice, shakes, soups, lassi, barley water b) Egg preparation: egg flip, scramble, omlet, poached egg c) Light diet: porridges, gruel, khichari, dahlia, kanji, boiled vegetables, salads, custards. d) Low cost high nutrition diets - chikki, multigrain roti	8	Lecture cum discussions Cookery practical	Practical evaluation

## **ENGLISH**

Placement- First Year Time- 30 hours

### **Course Description**

This course is designed to help students develop an ability to comprehend spoken and written English, so as to communicate effectively.

### **General Objectives**

Upon completion of this course, the students shall be able to:

- 1 Read and write correct English.
- 2 Communicate effectively in English.

#### **Total Hours-30**

Unit	Learning Objective	Content	Hr.	Method of Teaching	Assessment Method
I.	Speak and write correct grammatical English	Grammar a) Review of basic grammar b) Building Vocabulary	6	Discussion, written and oral exercises.	Objective type Paraphrasing
II	Develop ability to read, understand and write in English	Composition  a) Sentence construction and usage. b) Reading comprehension. c) Written composition: paragraphs & essays, precise writing, story writing & comprehension, letter writing, nurses notes and reports, anecdotal records, diary writing	14	Discussion Written and oral exercises.	Dictation Exercise  Objective type Translation  Report evaluation  Essay type
III	Demonstrate conversation skills.	<ul> <li>Spoken English</li> <li>a) Conversation – face to face and telephonic</li> <li>b) Oral report</li> <li>c) Discussion, debate</li> <li>d) Public speaking skills.</li> </ul>	10	Discussion, written and oral exercises.	Extempore Debates Discussion

## **COMPUTER EDUCATION**

#### Placement- First Year Time- 15 hours Course Description:-

This course is designed to help students gain a basic understanding of uses of computers and its application in nursing.

### **General Objective:-**

Upon completion of this course, the students shall able to:

- 1. Describe the basic disk operating system.
- 2. Use computer for data processing
- 3. Use Micro-soft office programs.
- 4. Use computer in patient Management System.
- 5. Use E-mail and internet

Total Hours - 15

Unit	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
I	Describe the	Introduction to computers and Disk	5	Lecture cum	Short answers
	structure and	operating system		discussion	P .
	purpose of	a) Definition     b) Classification		Practical Practical	Essay type
	computers and disc operating	<ul><li>b) Classification</li><li>c) Structure and parts of computer</li></ul>		Practical	Practical
	systems	d) Disk operating system – DOS and			Tactical
	by stering	WINDOWS all versions.			
		e) Purposes / uses of computer is health			
		care delivery system			
II	Demonstrate skill	MS Office	15	Lecture cum	Short answer
	in the use of MS	a) MS word		discussion	
	office	b) MS excel with pictorial presentation			Objective type
		c) MS Power point		Demonstration	n .: 1
		d) MS access			Practical exam
	5 1 11	e) MS publisher document		Practice session	G1
III	Demonstrateskill	Multimedia	5	Lecture cum discussion	Short answer
	in using multimedia	<ul><li>a) Types and uses</li><li>b) Data base creation, retrieval and report</li></ul>		discussion	Objective type
	munimedia	generation		Demonstration	Objective type
		c) Computer aided teaching and testing		2 • • • • • • • • • • • • • • • • • • •	Practical exam
IV	Demonstrate the	Use of internet and e-mail	10	Lecture cum	Short answer
	use of internet and	a) Accessing the website		discussion	
	e-mail	b) Searching the internet for content			Objective type
		c) Accessing the email and communicating		Demonstration	
		with the help of it.			Practical exam
		d) Use of internet communication programs			
		– skype			