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
	٠, .			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	 The Digestive system a) Structure and functions of the alimentary tract and is accessory organs. b) The process of digestion, absorption and metabolism of food constituents. 	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.	 The Excretory system a) Structure and functions of the kidney, ureters, urinary bladder, and urethra b) Formation and composition of urine. c) Fluid and electrolyte balance d) Structure and functions of the skin. e) Regulation of the body temperature. 	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.

Unit. No.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
I	Describe evolution of microbiology and its relevance in nursing.	Introductiona) 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 types of immunity, hypersensitivity autoimmunity and immunizing agents	Immunity a) Types of immunity – innate and acquired. b) Immunization schedule. Immunoprophylaxis (vaccines, sera etc.) c) Hypersensitivity and autoimmunity. d) Principles and uses of serological tests	5	Lecture cum discussions. Demonstration Exhibits	Short answer Objective type Essay type
V	Describe the various methods of control and destruction of microbes	Control and destruction of Microbes a) Principles and methods of microbial control -Sterilization -Disinfection -Chemotherapy and antibiotics -Pasteurization b) Medical and surgical asepsis c) Bio-safety and waste management	5	Lecture, Demonstration Videos Visit to the CSSD	Short answer Objective type Essay type
VI.	Demonstrate skill in handling & care of microscopes Identify common microbes under the microscope	Practical Microbiology a) Microscope – Parts, uses, handling and care of microscope b) Observation of staining procedure, preparation and examination of slides and smears c) Identification of common microbes under the microscope for morphology of different microbes.	5	Lecture, Demonstrations Specimens Slides	

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.	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.	Learning Objectives	Content	Hr.	Teaching learning activities	Assessment methods
IV	Describe and apply the process	 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. Learning a) Nature, types and laws of learning, 	13	Lecture cum discussions.	Short answer
	of learning, thinking, reasoning, observation and perception	 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 		Roleplay	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. 		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 	To as	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.

Unit No.	Learning Objectives	Content	Hr.	Teaching learning activities	Method of assessment
I	Describe the nature, scope & content of sociology and its importance in nursing	 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
II	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	 The Family a) Definition, characteristics and types of family. b) Family cycle and basic needs of family c) Importance of interdependence of family members. d) Important functions of family and their problems. e) Types of Marriage, medical and sociology aspects of marriage. 	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	Society	8	Lecture cum	Short answer
	social groups, social	a) Definition and meaning.		discussions	
	change, control, stratification and	b) Social groups - Types, Structure, intergroup relationship group cycle, group		Visits to social	Objective type
	social problems	behavior and group morale.		institutions	Essay type
	social problems	c) Social change -Meaning, factors affecting and effect on society and institution	n' .	mstrutions	a-utsiama ma
	. which the family	leading to social problems. d) Social control	eed 27	he concept of t	Pelarite
		e) Social stratification	9: 6.	e lymanuce '	r historia i
u.T	. The to the most fi	f) Social problems-Prostitution, crime divorce, dowry system, juvenile	16	ur Vitaris a n	Demonst
		delinquency, drug addiction alcoholism,	13.1	na mar dualine	it to régi
ur , ,	a Miland	handicapped, over population and slum g) Social agencies and remedial measures		t o te amá	de deliberts
V	Describe the culture	The Community	4	Lecture cum	Short answer
	and characteristics	a) Community		discussions	
	of community	 Definition and types 			Objective type
- "		- Rural and urban		4	
		b) Culture and characteristics		a	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.	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	25	Lecture cum discussions	Short answer Objective type Essay type
	Identify the qualities of	preparation.			~

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
m ag fu D h to tl	professional arse health care gencies and its anctions. Describe the olistic approach onursing and the determinants of health and the effects of illness.	 e) Ethics in Nursing-roles and responsibilities of a nurse. f) Health care agencies – hospital and community service – types and function of hospitals health team. g) Modern approaches to nursing care including holistic nursing care including holistic nursing care h) Health and Disease Definition of health, determinants of health status. Basic human needs Illness and its effects on individual 	20 A		te that y
	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	6	Lecture cum discussions. Demonstration of maintaining the records and reports Role Play	Short answer Objective type Essay type Return demonstration

Unit.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Describe	Meeting the Basic Needs of a patient	65	Lecture cum	Short answer
III	basic needs	a) Physical needs-		discussion	
	of the patient	 Comfort, rest, sleep and exercise 		1	Objective type
	Demonstrate skill	–Importance and its promotion	, lug	Demonstration	
	in meeting basic	- Body mechanics –moving, lifting,		1	Essay type
į .	care of the patient	transferring			
		- Position and posture maintenance			Return
	1	- Comfort devices			demonstration
		- Beds and bed making – Principles of			
		bed making, types and care of bed		e **	Assessment using
		linen	=-	1-11	checklist
	1	- Safety devices, restraints and splints	-5	1	
		- Exercises – Active and Passive			
	1	b) Hygienic needs		37.	1 2
		- Personal and environmental hygiene	1		
	, * +	personal	5 7 80	Challe	1 10 - 10 1 - 6 1
		- Nurses note in maintaining personal			Edito Tead
1		and environmental hygiene.	F -	19:07	(D. 100 1 801)
	. Ind.	- Care of eyes, nose, ears, hands and	- Note	7.5	
1		feet.		100	1 1 2 2 2 2 2
		Care of mouth, skin, hair and genitaliaCare of pressure areas, bed sores.	193	A514 (-17-11B/1
	5 7	c) Elimination needs	129	208 (3 / 6)	
100		- Health and sickness			
		- Problems – constipation and diarrhea,		Dept.	
	1 5 530 5- 1	retention and incontinence of urine.			
1		- Nurse's role in meeting elimination			
İ	1.	needs.		i hore	
		- Offering bed-pan and urinal,	C Sug		
		Observing and recording			1.0
		abnormalities.	115		
		- Preparation and giving of laxative,	9.0		
		suppositories, enemas, bowel wash,		to the deal than	s it has only
1	was a f	flatus tube.		ar ar	all is a president
1		- Perineal care, care of patient with		1 1 1 5 - 1 II	. Li 001
	1909	urinary catheter, diapers.	11		
		- Maintenance of intake and output		F 206	The second second
		records	, e (1	mele med
		d) Nutritional needs	. 4	- 1	4.0
		- Diet in health and disease		1.4	
	l ka	- Factors affecting nutrition in illness,		11.6	
		- Nurse's role in meeting patients		h k	1
	1	nutritional needs.	g _j . 4.		
	200	- Modification of diet in illness.		1	
1		- Diet planning and serving.			
		- Feeding helpless patients including		• "	
		artificial methods of feeding.	n Ļ	1 2 1	
	-	e) Psychological and spiritual needs			and have any are all the said
	where we will be to	The second secon			

Unit. No.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
		 Importance Nurse's role -Diversional and Recreational therapy Care of terminally ill and dying patient Dying patient's signs and symptoms needs of dying patient and family, Nursing care of dying-: special considerations; advance directives, euthanasia, will, dying declaration, organ donation etc. Medico legal issues Care of the dead body Care of unit Autopsy Embalming 	3 (1)6)		
IV	Describe the 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	Lecture cum discussions Demonstration	Short answer 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	3/12 13 3/12 13 3/12 13	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.	Learning Objectives	Content	Hr.	Method of Teaching	Assessment methods
No.		 Decontamination of unit and equipment Transportation of infected patient Standard safety precaution Transmission based precautions Bio-medical waste management Importance Types of hospital wastes Hazards associated with hospital waste Decontamination of hospital waste Segregation and transportation Disposal 	20		
'	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	30	Lecture cum discussions. Demonstration	Short answer Objective type Essay type Return demonstration Assessment using checklist
	Explain the principles, routes, effects of administration of medications	Introduction to clinical Pharmacology Administration 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	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:	37.5	Gatt Light	
		conversion within one system, between			
		systems, dosage calculations.		Land Y	
		- Terminologies and abbreviations used			
		in prescription of medications.			
		b) Oral drug administration: oral,	,	1, 1	-1
		sublingual, buccal : equipment and procedure.			
		c) Parentral:	1000		
		- General principles		TO ALL THE STATE OF THE STATE O	
		- Types of parentral therapies.	District		
	111	- Types of syringes, needles, canulas and infusion sets,	-		
1	Mari Di Challen I	- Protection from needle stick injuries,			
	a de la decembra decembra de la decembra decembra de la decembra d	giving medications with a safety			,
	a see purity	syringe.			-
		- Routes of parentral therapies:			
	140 04 1	- Purposes, site equipment, procedure			
		and special considerations in	·		j -
	The second secon	giving intradermal, subcutaneous,			
	in the state of th	intramuscular and intravenous	1		
		medications.	saytor.		
- Suiter		- Advanced techniques : epidural,	an Lie		2 V
		intrathecal, intraosseous,		1 44 1	1.0
		intraperitoneal, intrapleural, intra		1 90 3 2	
	- 4	arterial	(S)	. Intertur	
	1	- Role of nurse	-N 430		.1
		d) Topical administration: purposes,		ใดอาเมา	
		site, equipment, procedure, special	i i	Mary or the second	ļ
-		considerations for applications to skin	i — ·	Transfer Phili	.e. 1 1 10 1
		and mucous membrane.		nimba	elano ie l
	Land I	e) Direct application:		erosallis I	
		- Gargle, throat swab	1	LANDER LONG	Latte out to
		- Insertion of drug into body cavities:	4	minnis i	Salt He al Rose!
		nasal pack, suppositories / medicated		in the same of the	
	4 752 1 4	packing into rectum / vagina			and Taxable and the same
	em in robit	- Instillations: ear, eye, nasal, bladder and	10	Wile Wile	
	- 1	rectal.	,e2		1
50 21 C	(Fagggy State)	- Irrigations: eye, ear, bladder, vaginal	Also be	1000	
	Pit/buito I	and rectal. Spray: nose and throat	, ,	5-71-192	
l.		f) Inhalations: nasal, oral, endotracheal,			
		tracheal (steam, oxygen and			
	, ,	medications) – purposes, types,	5 518		
		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
od of	in the standards	 d) Burns and scalds e) Poisoning – ingestion, inhalation, bites and stings f) Foreign body in eye, ear, nose and throat. 			
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	d.	Lecture cum discussions. Videos Mock drill Simulation exercise Videos	Short answer Objective type Essay type
. ·	Cp. (C)	i i i i i i i i i i i i i i i i i i i	7 × 1	Field visit to voluntary agencies.	brincibra imported

COMMUNITY HEALTH NURSING

Placement- FIRST YEAR

Time- 180 hours

CHN-I - 80 hours

Environmental Hygiene- 30 hours

Health Education & Communication skills- 40 hours

Nutrition-30hours

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.

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 present concept. d) Primary health care, Millennium Development Goals e) Promotion and maintenance of Health	10	Lecture cum discussions.	Short Answers

Unit No.	Objectives	Content	Hr	Teaching Learning activities	Method of Assessment
11	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
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	demonstration Short answers Objective type Essay type
	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
		 e) Family health services – Maternal, child care and family welfare services. f) Roles and function of a community health nurse in family health service. g) Family health records. 		A22.800	
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
Del	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 Later opénic descri	Lecture cum discussions. Mock drill	Short answer Objective type
	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

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.

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

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 And	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
		 b) Methods of food preservation—household and commercial, precautions. c) Food storage – cooked and raw, household and commercial, ill effects of poorly stored food. d) Food adulteration and acts related to it. 	ī	Demonstration exhibits	Evaluation of exhibit preparation.
	Describe about therapeutic diet	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.	8 Section of the control of the cont	Lecture cum discussions. Practical of planning Therapeutic diet Demonstration Charts Exhibits	Short answers 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 (FAO), National Institute of	Hr.	Teaching learning activities	Methods of assessment
1000		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:

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

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
11	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.	Spoken English a) Conversation – face to face and telephonic b) Oral report c) Discussion, debate d) Public speaking skills.	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

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