Program: B.Sc. (Nursing) 4 Years Degree

Program Outcome: Prepare nurses who can make independent decisions in nursing situations, protect the rights of, facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor and manager in a clinical / public health setting.

Program Specific Outcomes:

On completion of B.Sc. Nursing degree programme the graduates will be able to:

- 1. Apply knowledge from physical, biological and behavioral sciences, medicine, including alternative systems and nursing in providing nursing care to individuals, families and communities.
- 2. Demonstrate understanding of life style and other factors, which affect health of individuals and groups.
- 3. Provide nursing care based on steps of nursing process in collaboration with the individuals and groups
- 4. Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
- 5. Utilize the latest trends and technology in providing health care.
- 6. Provide promotive, preventive and restorative health services in line with the national health policies and programs.
- 7. Practice within the framework of code of ethics and professional conduct and acceptable standards of practice within the legal boundaries.
- 8. Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork.
- 9. Demonstrate skills in teaching to individuals and groups in clinical/community health settings.
- 10. Participate effectively as members of the health team in health care delivery system.

Demonstrate leadership and managerial skills in clinical / community health settings.

- 11. Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
- 12. Demonstrate awareness, interest and contribute towards advancement of self and of the profession.

Course Outcomes (COs)	
B.Sc. (N) First year	Placement - First year
English	CO 1: Speak and write grammatically correct English CO 2: Develop ability to read, understand and express CO 3: meaningfully the prescribed text Develop writing skills CO 3: Develop skill in spoken English CO 4: Develop skill in listening comprehension
Anatomy	CO 1: Describe the anatomical terms, organization of human body and structure of cell, tissues, Membranes and glands CO 2: Describe the structure & function of bones and joints CO 3: Describe the structure and function of muscles CO 4: Describe the structure & function of nervous system CO 5: Explain the structure & functions of sensory organs CO 6: Describe the structure & function of circulatory and lymphatic system CO 7: Describe the structure & functions of respiratory system. CO 8: Describe the structure & functions of digestive system. CO 9: Describe the structure & functions of excretory system
Physiology	CO 1: Describe the physiology of cell, tissues, membranes and glands CO 2: Describe the bone formation and growth and movements of skeleton system CO3: Describe the muscle movements and tone and demonstrate muscle contraction and tone CO4: Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves *Demonstrate reflex action and stimulus CO5: Describe the physiology of blood and functions of Heart Demonstrate blood cell count, coagulation, grouping, BP and Pulse monitoring CO 6: Describe the physiology and mechanism s of respiration demonstrate spirometry CO7: Describe the Physiology of digestive system Demonstrates BMR CO8: Describe the Physiology of excretory system CO 9: Describe the physiology of sensory organs CO 10: Describe the physiology of endocrine glands CO11: Describe the physiology of male and female reproductive system CO12: Describe the Physiology of Lymphatic and Immunological System
Nutrition	CO 1: Describe the relationship between nutrition & Health CO2: Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates CO3: Describe the classification, functions, sources and recommended daily allowances (RDA) of fats

	COA Describe the 1 100 to 6 to
	CO4: Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins
	CO5: Describe the daily calorie requirement for different categories of
	people CO6: Describe the classification, functions, sources and recommended
	daily allowances (RDA) of Vitamins
	CO 7: Describe the classification, functions, sources and
	recommended daily allowances (RDA) of Minerals
	CO 8: Describe the sources, functions and requirements of Water & Electrolytes
	CO 9: Describe the Cookery rules and preservation of nutrients
	Prepare and serve simple beverages and different types of foods CO
	9: Describe and plan balanced diet for different categories of people
	CO10: Describe various National Programmes related to nutrition CO 12: Describe the role of nurse in assessment of nutritional status and
	Nutrition education
	CO 1: Describe the structure Composition and functions of cell
	Differentiate between Prokaryote & Eukaryote cell Identify
	techniques of Microscopy
	CO 2: Describe the structure and functions of cell membrane
Biochemistry	CO 3: Explain the metabolism of carbohydrates Explain the metabolism of Lipids
	CO 4: Explain the metabolism of Amino acids and Proteins
	CO 5: Describe types, composition and utilization of Vitamins &
	minerals
	CO 6: Describe Immunochemistry
	CO 1: Describe the concept of health, illness and health care
	agencies
	CO 2: Explain concept and scope of nursing
	CO 3: Describe values, code of ethics and professional conduct for nurses in India
	CO 4: Explain the admission and discharge procedure Performs
	admission and discharge procedure Communicate effectively with
	patient, families and team members and maintain effective human
	relations (projecting professional image) Appreciate the importance of patient teaching in nursing
Nursing Foundations	CO 5: Explain the concept, uses, format and steps of nursing process
0	CO 6: Documents nursing process as per the format
	CO 7: Describe the purposes, types and techniques of recording and
	reporting CO 8: Describe principles and techniques of monitoring and
	maintaining vital signs Monitor and maintain vital signs CO
	9: Describe purpose and process of health assessment
	CO 10: Describe the health assessment of each body system
	Perform health assessment of each body system
	CO 11: Identify the various machinery, equipment and linen and their
	care

	CO 12: Describe the basic, physiologic al & psychological needs of patient CO 13: Describe the principles and techniques for meeting basic, Physiologic al and psychosocial needs of patient Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiologic al and psychosocial needs of patient CO 14: Describe principles and techniques for infection control and biomedical Waste management in Supervised Clinical Settings CO 15: Explain the principles, routes, effects of administration of medication Calculate conversions of drugs and dosages within and between systems of measurements Administer drugs by the following routes-oral, Intradermal Subcutaneous, Intramuscular, intra Venous, Topical, & Inhalation CO 16: Describe the pre and post-operative care of patients Explain the process of wound healing Explain the principles and techniques of wound care Perform care of wounds CO 17: Explain care of patients having alterations in body functioning CO 18: Explain care of terminally ill patient Explain the basic concepts of Conceptual and theoretical models of nursing
Nursing Foundations – Practical	
Nursing Foundations – Practical	CO 1: Prepares nursing care plans as per the nursing process format Communicate effectively with patient, families and team members. CO 2: Maintain effective human relations Develops plan for patient teaching. CO 3: prepare patient reports Presents reports CO 4: Monitor vital signs Perform heath assessment of each body system CO 5: Provide basic nursing care to patients CO 6: Perform infection control procedures CO 7: Provide care to pre and post-operative patients CO 8: Perform procedures for care of wounds CO 9: Administer drugs Provide care to dying and dead Counsel and support relatives.
Microbiology	CO 1: Explain concepts and principles of microbiology and their importance in nursing. CO 2: Describe structure, classification morphology and growth of bacteria Identify Microorganisms CO 3: Describe the methods of infection control Identify the role of nurse in hospital infection control programme. CO 4: Describe the different disease producing organism's CO 5: Explain the concept of immunity, hyper sensitivity and immunization
Psychology	CO 1: Describe the history, scope and methods of Psychology. CO 2: Explain the Biology of Human behavior. CO 3: Describe various cognitive processes and their application.

CO 4: Describe motivation, emotions, stress, attitudes and their influence on behaviour. CO 5: Explain the concepts of personality and its influence on behaviour. CO 6: Describe Psychology of people during the life cycle. CO 7: Describe the characteristics of mentally healthy person explain ego defense mechanisms.
CO 8: Explain the Psychological assessment s and role of nurse

COURSE	B.SC NURSING 2 ND YEAR COURSE OUTCOME
SOCIOLGY	CO 1: State the importance of Sociology in Nursing CO 2: Describe the inter- relationship of individual in society and community CO 3: Describe the influence of culture on health and disease CO 4: Identify various social groups and their terms CO 5: explain the growth in society CO 6: Describe the Institutions of family and marriage in India CO 7: Describe the class and caste system and their influence on health and practices CO 8: Describe the types of communities in India, their practices and the impact on health CO 9: Describe the types of communities in India, their practices and the impact on health CO 10: Explain the process of Social Change CO 11: Describe the Social system and inter- relationship of social organizations CO 12: Explain the nature and process of social control CO 13: Describe the role of the nurse in dealing with social problems in India CO 14: Describe the role of the nurse in dealing with social problems in India

PHARMACOLOGY	CO 1: Describe pharmacokinetics, classification and the principles of drug administration CO 2: Explain Chemotherapy of specific infections and infestations and nurse's responsibilities CO 3: Describe Antiseptics disinfectants, insecticides and nurse's responsibilities CO 4: Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities CO 5: Describe Drugs used on Respiratory systems and nurse's responsibilities CO 6: Describe Drugs used on Urinary System and nurse's responsibilities CO 6: Describe Drugs used in de- addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immuno- suppression and nurse's responsibilities CO 8: Describe Drugs used on skin and mucous membranes and nurse's responsibilities CO 9: Describe Drugs used on Nervous System and nurse's responsibilities
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	CO 10: Describe Drugs used on Cardiovascular System and nurse's responsibilities CO 11: Describe drugs used for hormonal disorders and Supplementation, contraception and medical termination of pregnancy and nurse's responsibilities CO 12: Demonstrate awareness of the common drugs used in alternative system of medicine
PATHOLOGY	CO 1: Define the common terms used in pathology CO 2: Appreciate the deviations from normal to abnormal structure and functions of the body system CO 3: Explain Pathological changes in disease conditions of various systems CO 4: Describe various laboratory tests in assessment and monitoring of disease conditions CO 5: Describe the laboratory tests for examination of body cavity fluids, transudates and exudates CO 6: Describe the laboratory tests for examination of body cavity fluids, transudates and exudates
GENETICS	CO 1: Explain nature, principles and perspective s of heredity CO 2: Explain Maternal, prenatal and genetic influences on development of defects and diseases CO 3: Explain the screening methods for genetic defects and diseases in neonates and children CO 4: Identify genetic disorders in adolescents and adults CO 5: Describe the role of nurse in genetic services and counseling

CET	CO 1: Describe the communication process, Identify techniques of effective communication CO 2: Establish effective inter personal relations with patients' families & co-workers CO 3: Develop effective human relations in context of nursing CO 4: Develop basic skill of counselling and guidance CO 5: Describe the philosophy & principles of education Explain the teaching learning process CO 6: Demonstrate teaching skill using various teaching methods in clinical, classroom & community settings CO 7: Prepare and use different types of educational media effectively CO 8: Prepare different types of questions for assessment of knowledge, skills and attitudes CO 9: Teach individuals, groups and communities about health with their active participation
COMMUNITY HEALTH NURSING - I (THEORY)	CO 1: Describe concept and dimensions of health CO 2: Describe determinant s of health CO 3: Describe concept, scope, uses, methods and approaches of epidemiology CO 4: Describe Epidemiology and nursing management of common Communicable diseases CO 5: Describe Epidemiology and nursing management of common Noncommunicable diseases CO 6: Describe the concepts & scope of Demography, Describe methods of data collection, analysis & interpretation of demographic data CO 7: Identify the impact of population explosion in India, Describe
	methods of population control
COMMUNITY HEALTH NURSING - I (PRACTICAL)	CO 1: 2 wks. urban and 2 wks. rural

CO1: Appreciate the trends in medical and surgical nursing Describe the role of nurse in caring for adult patient in hospital and community Describe the concepts of medical surgical asepsis CO 2: Describe the common signs, symptoms, problems and their specific nursing interventions CO 3: Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory system CO 4: Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive system CO 5: Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems Describe the vascular conditions and its nursing management CO 6: Describe the etiology, pathophysiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito- urinary system MEDICAL SURGICAL CO 7: Describe the etiology, pathophysiology clinical manifestations, **NURSING-I** diagnostic measures and management of patients (adults including (THEORY) elderly) with disorders of male reproductive system CO 8: Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system CO 9: Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin CO 10: Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo skeletal system CO 11: Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of immunological system CO 12: Describe the etiology, pathophysi ology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases. CO 13 : Describe the organisation and physical set up of Operation Theatre ☐ Identify the various instruments and equipments used for common surgical procedures Describe the infection control measures in the operation theatre Describe the role of the nurse in the Peri- operative nursing care

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	CO 1: Provide nursing care to adult patients with medical disorders
	• Counsel and educate patients and families CO 2: Provide pre and post-operative nursing care to adult patients with
	surgical disorders
	 Counsel and educate patients and families CO 3: Provide nursing care to patients with cardiac disorders
	 Counsel and educate patients and families CO 4: Identify skin problems
MEDICAL SURGICAL NURSING -I	Provide nursing care to patients with skin disorders & Communicable diseases
(THEORY)	 Counsel and educate patients and families CO 5: Provide nursing care to patients with musculoskeletal disorders
	Counsel and educate patients and families
	CO 6: Identify instruments used in common operations
	Participate in infection control practices in the Operation Theatre
	Set-up the table / trolleys for common operative procedures
	Assist in giving anesthesia
	Assist in the operative procedures Provide peri- operative nursing care

	CO 13: Describe organization of critical care units
	CO 14: Describe the role of nurse in management of patients in critical
	care units CO 15: Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures & management of patients with Occupation al and Industrial health disorder
Medical Surgical Nursing II- Practical	CO 1: Provide care to patients with ENT disorders CO 2: Provide care to patients with Eye disorders CO 3: Provide care to patients with neurological disorders CO 4: Provide care to patients with gynecological disorders CO 5: Provide care to patients with Burns CO 6: Provide care to patients with Cancer CO 7: Provide care to critically ill patients CO 8: Counsel patient and families for grief and bereavement CO 9: Provide care to patients in emergency and disaster situation
Medical Surgical Nursing II- Internship	CO 1: Provide comprehensive care to patients with medical and surgical conditions including emergencies CO 2: Assist with common operations.
Child Health Nursing	CO 1: Explain the modern concept of child care & principles of child health Nursing CO 2: Describe national policy programs and legislation in relation to child health and welfare CO 3: List major causes of death during infancy, early & late childhood CO 4: Describe the major functions and role of the pediatric nurse in caring for a hospitalized child. CO 5: Describe the Normal growth & development of children at different ages CO 6: Identify the needs of children at different ages & provide parental guidance CO 7: Identify the nutritional needs of children at different ages and ways of meeting the needs CO 8: Appreciate the role of play for normal & sick children CO 9: Appreciate the preventive measures and strategies for children CO 10: Provide nursing care in common childhood diseases CO 11: Identify measures to prevent common childhood diseases including immunization CO 12: Manage the child with behavioral & social problems CO 13: Identify the social & welfare services for challenged children

Child Health Nursing- Practical	CO 1: Provide nursing care to children with various medical disorders CO 2: Counsel and educate parents CO 3: Recognize different pediatric surgical conditions / malformations CO 4: Provide pre and post-operative care to children with common pediatric surgical conditions / malformation CO 5: Counsel and educate parents CO 6: Perform assessment of children - Health, Developmental and Anthropometric CO 7: Perform immunization CO 8: Give Health Education / Nutritional Education CO 9: Provide nursing care to critically ill children
	CO 3. I Tovide harsing care to critically in children
Child Health Nursing- Internship	CO 1: Provide comprehensive care to children with medical conditions CO 2: Provide comprehensive care to children with surgical conditions CO 3: Provide intensive care to neonates
Mental Health Nursing	CO 1: Describe the historical development & current trends in mental health nursing CO 2: Describe the epidemiology of mental health problems CO 3: Describe the National Mental Health Act, programme s and mental health policy CO 4: Discuss the scope of mental health nursing CO 5: Describe the concept of normal & abnormal behavior CO 6: Define the various terms used in mental health nursing CO 7: Explain the classification of mental disorders CO 8: Explain psycho dynamics of maladaptive behavior CO 9: Discuss the etiological factors, psychopathology of mental disorders CO 10: Explain the Principles & standards of mental health nursing CO 11: Describe the conceptual models of mental health nursing CO 12: Describe nature, purpose & process of assessment of mental health CO 13: Identify the rapeutic communication techniques CO 14: Describe therapeutic relationship CO 15: Describe therapeutic impasse and its intervention CO 16: Explain treatment modalities & therapies used in mental disorders and role of the nurse CO 17: Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria & management of patients with Schizophrenia and other psychotic disorders CO 18: Describe the etiology psycho- pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders CO 19: Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and Somatization n disorders CO 20: Describe the etiology psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders

	CO 21: Describe the etiology psycho-pathology, clinical manifestations,
	diagnostic criteria and management of patients with Personality,
	Sexual & Eating disorders
	CO 22: Describe the etiology psycho-pathology, clinical manifestations,
	diagnostic criteria and management of childhood and adolescent
	disorders including mental deficiency
	CO 23: Describe the etiology, psycho-pathology, clinical
	manifestations, diagnostic criteria and management of organic brain disorders
	CO 24: Identify psychiatric emergencies and carryout crisis intervention
	CO 25: Explain legal aspects applied in mental health settings and role of nurse
	CO 26: Describe the model of preventive psychiatry
	CO 27: Describes Community Mental health services & role of the
	nurse
	CO 1: Assess patients with mental health problems
	CO 2: Observe & assist in therapies
	CO 3: Counsel & educate patient, & families
	CO 4: Assessment of children with various mental health problems
	CO 5: Counsel and educate children, families & significant others
	CO 6: Assess patients with mental health problems
Mental Health Nursing-	CO 7: To provide nursing care for patients with various mental health
Practical	problems
	CO 8: Assist in various therapies
	CO 9: Counsel & educate patients, families & significant others
	CO 10: To identify patients with various mental disorders
	CO 11: To motivate patients for early treatment & follow up
	CO 12: To assist in follow up clinic
	CO 13: Counsel and educate patient, family and community
	1 9 2 7 2 2 2 3

Mental Health Nursing- Internship	CO 1: Provide comprehensive care to the patient with mental health problems.
Nursing Research and Statistics	CO 1: Describe the concept of research, terms, need and areas of research in Nursing CO 2: Explain the steps of research process CO 3: Identify and state the research problem and objectives CO 4: Review of the literature CO 5: Describe the research approaches & designs CO 6: Explain the sampling process CO 7: Describe the methods of data collection CO 8: Analyze, interpret and summarize the research data CO 9: Explain the use of statistics, scales of measurement and graphical presentation of data CO 10: Describe the measures of central tendency and variability and methods of correlation. CO 11: Communicate and utilize the research findings

SUBJECT	B.Sc. 4 th year Course outcome
Obstetrics and Gynecology	CO1. Recognize the trends and issues in midwifery and obstetrical Nursing CO2. Describe the anatomy and female reproductive system CO3. Describe the diagnosis and management of women during antenatal period CO4. Describe the physiology and stages of labour & CO5. Describe the management of women during intra- natal period CO6. Describe the physiology of puerperium & CO7. Describe the management of women during post- natal period CO8. Describe the Assessment and management of normal neonate CO9. Describe the Identification and management of women with highrisk pregnancy CO10. Describe management of abnormal labour and obstetrical emergencies CO11. Describe management of post-natal complications CO12. Identify the high-risk neonates and their nursing management CO13. Describe indication, dosage, action, side effects and nurses' responsibilities in the administration of drugs used for mothers CO14. Appreciate the Importance of family welfare programme & CO15. Describe the Methods contraception and role of nurse in Family welfare programme importance of methods of family welfare
Community Health Nursing	CO1.Define concepts, scope, principles and historical development of community Health and community Health Nursing CO2. Describe health plans, policies, various health committees and health problems in India CO3. Describe the system of delivery of community health services in rural and urban areas CO4. List the functions of various levels and their staffing pattern CO5. Explain the components of health services CO6. Describe alternative systems of health promotion and health maintenance CO7. Describe the chain of referral system. CO8. Describe Community Health Nursing approaches and Describe the roles and responsibilities of Community health nursing personnel. CO9. Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health CO10. Describe National health and family welfare programmes and role of a nurse &Describe various health schemes in India. CO11. Explain the roles and functions of various national and international health agencies

Nursing Management	CO1. Explain the principles and functions of management
	CO2. Describe the elements and process of management
	CO3. Describe the management of nursing services in the hospital and
	community
	CO4. Describe the concepts, theories and techniques of organizational
	behaviour and human relations.
	CO5. Participate in planning and organizing in service education program.
	CO6. Describe management of nursing educational institutions
	CO7. Describe the ethical and legal responsibilities of a professional nurse;
	Explain the nursing practice standards.
	CO8. Explain the various opportunities for professional advancement.
OBG Practical	CO1. Assessment of pregnant women
	CO2. Assess woman in labour
	CO3. Carry out per- vaginal examination & Conduct normal deliveries
	CO4. Perform episiotomy and suture it &Resuscitate newborns & Assist with
	Cesarean Sections
	CO5. MTP and other surgical procedures
	CO6. Provide nursing care to post-natal mother and baby &Counsel and teach
	mother and family for parent hood
	CO7. Provide nursing care to newborn at risk
	CO8. Counsel for and provide family welfare services
	CO1. Identify community profile
	CO2. Identify prevalent communicable and non- communicable
	diseases Diagnose health needs of Individual, families and community
	CO3. Plan, provide and evaluate care.
Community Health	CO4. Participate school health programme
1	CO5. Participate in National health programmes
Nursing	CO6. Organize group for self-help and involve clients in their own
Practical	health activities
	CO7. Provide family welfare services
	CO8. Counsel and educate Individual, family and community
	CO9. Collect Vital health statistics
	CO10. Maintain Records & Reports