

B. Sc. NURSING PROGRAMME

PROGRAMME OUTCOMES

PO1. **Nursing Knowledge:** Apply knowledge from physical, biological and behavioral sciences, medicine including alternative systems and nursing in providing care to individuals, families and communities.

PO2. **Nurse and the community:** Demonstrate understanding of lifestyle and other factors, which affect health of individuals and groups.

PO3. **Care giver:** Provide nursing care based on steps of nursing process in collaboration with the individuals and groups. PO4.**Problem analysis/ Decision making:** Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.

PO5.**Technology update:** Utilize the latest trends and technology in providing health care.

PO6. **Nurse and the health care system:** Provide promotive, preventive and restorative health services in line with the national health policies and programmes.

PO7. **Nurse and the profession:** Practice within the frame work of code of ethics and professional conduct, and acceptable standards of practice within the legal boundaries.

PO8.**Communication:** Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork.

PO9.**Information Education and Counseling:** Demonstrate skills in teaching to individuals and groups in clinical / community health settings.

PO10. **Nurse as a collaborative care giver:** Participate effectively as members of the health team in health care delivery system. PO11. **Nursing administration and management:** Demonstrate leadership and managerial skills in clinical / community health settings.

PO12.**Nursing research:** Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.

PO13. **Life-long learning:** Demonstrate awareness, interest and contribute towards advancement of self and of the profession.

COURSE OUTCOMES

B. Sc. NURSING FIRST YEAR

ENGLISH

- CO1. Speak and write grammatically correct English
- CO2. Review of Grammar
- CO3. Develop ability to read, understand and express meaningfully the prescribed
- CO4. Develop writing skills
- CO5. Develop skill in spoken English
- CO6. Develop skill in listening comprehension

ANATOMY

- CO1. Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands
- CO2. Describe the structure & function of bones and joints
- CO3. Describe the structure and function of muscles
- CO4. Describe the structure and function of nervous system
- CO5. Explain the structure and function of sensory organs
- CO6. Describe the structure and function of circulatory and lymphatic system
- CO7. Describe the structure and function of respiratory system
- CO8. Describe the structure and function of digestive system
- CO9. Describe the structure and function of excretory system
- CO10. Describe the structure and function of endocrine system
- CO11. Describe the structure and function of reproductive system

PHYSIOLOGY

- CO1. Describe the physiology of cell, tissues, membranes and glands
- CO2. Describe the bone formation and growth and movements of skeletal 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
- CO5. Demonstrate reflex action and stimulus
- CO6. Describe the physiology of blood and functions of Heart
- CO7. Demonstrate blood cell count, coagulation, grouping, Hb, BP and pulse monitoring
- CO8. Describe the physiology and mechanisms of respiration
- CO9. Demonstrate spirometry
- CO10. Describe the physiology of digestive system
- CO11. Demonstrate BMR
- CO12. Describe the physiology of excretory system
- CO13. Describe the physiology of sensory organs

- CO14. Describe the physiology of endocrine glands
- CO15. Describe the Physiology of male and female reproductive system
- CO16. Describe the physiology of Lymphatic and Immunological system

NUTRITION

- CO1. 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
- 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
- CO7. Describe the classification, functions, sources and recommended daily allowances (RDA) of minerals
- CO8. Describe the sources, functions and requirements of water & electrolytes
- CO9. Describe the cookery rules and preservation of nutrients
- CO10. Prepare and serve simple beverages and different types of foods
- CO11. Describe and plan balanced diet for different categories of people
- CO12. Describe the various national programmes related to nutrition
- CO13. Describe the role of nurse in assessment of nutritional status and nutrition education

BIOCHEMISTRY

- CO1. Describe the structure, composition and functions of cell
- CO2. Differentiate between prokaryote and eukaryote cell
- CO3. Identify techniques of microscopy
- CO4. Describe the structure and functions of cell membrane
- CO5. Explain the metabolism of carbohydrates
- CO6. Explain the metabolism of Lipids
- CO7. Explain the metabolism of Amino acids and Proteins
- CO8. Describe types, composition and utilization of Vitamins & minerals
- CO9. Describe Immuno-chemistry

NURSING FOUNDATION

- CO1. Describe the concept of health, illness and health care agencies
- CO2. Explain concept and scope of nursing
- CO3. Describe values, code of ethics and professional conduct for nurses in India
- CO4. Explain the admission and discharge procedure

CO5.Perform admission and discharge procedure
CO6.Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)
CO7.Appreciate the importance of patient teaching in nursing
CO8.Explain the concept, uses, format and steps of nursing process
CO9.Documents nursing process as per the format
CO10.Describe the purposes, types and techniques of recording and reporting
CO11.Describe principles and techniques of monitoring and maintaining vital signs
CO12.Monitor and maintain vital signs
CO13.Describe the purpose and process of health assessment
CO14.Describe the health assessment of each body system
CO15.Perform health assessment of each body system
CO16.Identifies the various machinery, equipment, linen and their care
CO17.Describe the basic, physiological and psychosocial needs of patient
CO18.Describe the principles and techniques for meeting basic, physiological and psychosocial needs of patient
CO19.Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient
CO20.Describe principles and techniques for infection control and biomedical waste management in supervised clinical settings
CO21.Explain the principles, routes, effects of administration of medications
CO22.Calculate conversions of drugs and dosages within and between systems of measurements
CO23.Administer drugs by following routes-oral, intradermal, subcutaneous, intramuscular, intravenous, topical and inhalation
CO24.Describe the pre and post operative care of patients
CO25.Explain the process of wound healing
CO26.Explain the principles and techniques of wound care
CO27.Perform care of wounds
CO28.Explain care of patients having alterations in body functioning
CO29.Explain care of terminally ill patient
CO30.Explain the basic concepts of conceptual and theoretical models of nursing

NURSING FOUNDATION – PRACTICAL

CO1.Performs admission and discharge procedure
CO2.Prepare nursing care plan as per the nursing process format
CO3.Communicate effectively with patient, families and team members
CO4.Maintain effective human relations
CO5.Develop plan for patient teaching CO6.Prepare patient reports CO7.Presents reports
CO8.Monitor vital signs
CO9.Perform health assessment of each body system

- CO10. Provide basic nursing care to patients
- CO11. Perform infection control procedures
- CO12. Provide care to pre and post operative patients
- CO13. Perform procedures for care of wounds
- CO14. Administer drugs
- CO15. Provide care to dying and dead
- CO16. Counsel and support relatives

PSYCHOLOGY

- CO1. Describe the history, scope and methods of psychology
- CO2. Explain the biology of Human behaviour
- CO3. Describe various cognitive processes and their applications
- CO4. Describe motivation, emotions, stress, attitudes and their influence on behaviour
- CO5. Explain the concepts of personality and its influence on behaviour
- CO6. Describe psychology of people during the life cycle
- CO7. Describe the characteristics of mentally healthy person
- CO8. Explain ego defense mechanisms
- CO9. Explain the Psychological assessments and role of nurse

MICROBIOLOGY

- CO1. Explain concepts and principles of microbiology and their importance in nursing
- CO2. Describe structure, classification morphology and growth of bacteria
- CO3. Identify micro- organisms
- CO4. Describe the methods of infection control
- CO5. Identify the role of nurse in hospital infection control programme
- CO6. Describe the different disease producing organisms
- CO7. Explain the concept of immunity, hyper sensitivity and immunization

INTRODUCTION TO COMPUTERS

- CO1. Identify & define various concepts used in computer
- CO2. Identify application of computer in nursing
- CO3. Describe and use the Disk operating system
- CO4. Demonstrate skill in the use of MS Office
- CO5. Demonstrate skill in using multi-media
- CO6. Identify features of computer aided teaching and testing
- CO7. Demonstrate use of internet and Email
- CO8. Describe and use the statistical packages
- CO9. Describe the use of Hospital Management System

SECOND YEAR

SOCIOLOGY

- CO1.State the importance of sociology in nursing
- CO2. Describe the interrelationship of individual in society and community
- CO3. Describe the influence of culture on health and disease
- CO4. Identify various social groups and their interactions
- CO5. Explain the growth of population in India and its impact on health
- CO6. Describe the institutions of family and marriage in India
- CO7. Describe the class and caste system and their influence on health and health practices
- CO8. Describe the types of communities in India, their practices and the impact on health
- CO9. Explain the process of Social Change
- CO10. Describe the social system and inter relationship of social organizations
- CO11. Explain the nature and process of social control
- CO12. Describe the role of the nurse in dealing with social problems in India

PHARMACOLOGY

- CO1. Describe Pharmaco-dynamics, pharmaco-kinetics, classification and the principles of drug administration
- CO2. Explain chemotherapy of specific infections, infestations and nurse's responsibilities
- CO3. Describe antiseptics, disinfectants, insecticides and nurse's responsibilities
- CO4. Describe the drugs acting on Gastro Intestinal system and nurse's responsibilities
- CO5. Describe drugs used on Respiratory Systems and nurse's responsibilities
- CO6. Describe drugs used on Urinary system and nurse's responsibilities
- CO7. Describe drugs used in de-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and Immunosuppression and nurse's responsibilities
- CO8. Describe the drugs used on skin and mucous membranes and nurse's responsibilities
- CO9. Describe Drugs used on Nervous System and nurse's responsibilities
- CO10. Describe Drugs used on Cardio-vascular system and nurse's responsibilities
- CO11. Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities
- CO12. Demonstrate awareness of the common drugs used in alternative system of medicine

PATHOLOGY AND GENETICS

Section A - Pathology

- CO1. Define the common terms used in pathology.
- CO2. Appreciate the deviations from normal to abnormal structure and functions of the body system.
- CO3. Explain Pathological changes in disease conditions of various systems
- CO4. Describe various laboratory tests in assessment and monitoring of disease conditions

CO5. Describe the laboratory tests for examination of body cavity fluids, transudates and exudates

CO6. Describe the laboratory tests for examination of urine and faeces

SECTION – B GENETICS

CO1. Explain nature, principles and perspectives of heredity

CO2. Explain Maternal, prenatal and genetic influences on development of defects and diseases

CO3. Explain the screening methods for genetic defects and diseases in neonates and children

CO4. Identify genetic disorders in adolescents and adults

CO5. Describe the role of nurse in genetic services and counseling

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I

CO1. Appreciate the trends in medical and surgical nursing

CO2. Describe the role of a nurse in caring for adult patient in hospital and community CO3.

Describe the concepts of medical surgical asepsis

CO4. Describe the common signs, symptoms, problems and their specific nursing interventions

CO5. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory system

CO6. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems

CO7. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems

CO8. Describe the vascular conditions and its nursing management. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary systems

CO9. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system

CO10. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system

CO11. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin

CO12. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculo- skeletal system

CO13. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of immunological system

CO14. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with communicable Diseases

CO15. Describe the organization and physical set up of operation theatre

- Identify the various instruments and equipments used for common surgical procedures

- Describe the infection control measures in the Operation Theatre
- Describe the role of the nurse in the Operation Theatre

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)-I

PRACTICAL (720 hours- II year) General Medical ward

CO1. Provide nursing care to adult patients with medical disorders CO2. Counsel and educate patients and families

General surgical ward

CO3. Provide pre and post-operative nursing care to adult patients with surgical disorders

CO4. Counsel and educate patients and families

Cardiology Ward

CO5. Provide nursing care to patients with cardiac disorders

CO6. • Counsel and educate patients and families

Skin and communicable diseases

CO7. Identify skin problems

CO8. Provide nursing care to patients with skin disorders & communicable diseases

CO9. Counsel and educate patients and families

Orthopaedic Ward

CO10. Provide nursing care to patients with musculo-skeletal disorders

CO11. Counsel and educate patients and families Operation Theatre

CO12. Identify instruments used in common operations

CO13. Participate in infection control practices in the operation theatre

CO14. Set-up the table/ trolleys for common operative procedures

CO15. Assist in giving anesthesia

CO16. Assist in the operative procedures CO17. Provide perioperative nursing care

INTERNSHIP(250hrs, III year B.Sc Nursing) PSO'S

Provide comprehensive care to patients with medical conditions

Medical wards, CCU

PSO1. To gain proficiency in ICU nursing

PSO2. Develop advance skill in special procedures used in critical care unit

PSO3. Identify potential problems and provide care accordingly.

PSO4. Skill in setting and handling ventilator

PSO5. Administer injection in infusion pump

PSO6. Record accurately findings and medications

PSO7. Develop IPR with family members

Provide comprehensive care to patients with surgical conditions Surgical wards, ICU

PSO1. To gain proficiency in ICU nursing

PSO2. Develop advance skill in special procedures used in critical care unit

- PSO3. Identify potential problems and provide care accordingly.
- PSO4. Skill in setting and handling ventilator
- PSO5. Administer injection in infusion pump
- PSO6. Record accurately findings and medications
- PSO7. Develop IPR with family members

Acquaint with OT technique

OT- Laparoscopic, orthopaedic, cardiac

- PSO1. Identify instruments
- PSO2. Assist in OT set up
- PSO3. Supervise sterilization
- PSO4. Assist in OT table layout
- PSO5. Observe immediately after operation
- PSO6. Supervise infection control

COMMUNITY HEALTH NURSING – I

- CO1. Describe concept and dimensions of health
- CO2. Describe determinants of health
- CO3. Describe the concept, scope, uses methods and approaches of epidemiology
- CO4. Describe Epidemiology and nursing management of common communicable diseases
- CO5. Describe Epidemiology and nursing management of common Non-communicable diseases
- CO6. Describe the concepts and scope of demography
- CO7. Describe methods of data collection, analysis and interpretation of demographic data
- CO8. Identify the impact of population explosion in India
- CO9. Describe the methods of population control

COMMUNITY HEALTH NURSING I - PRACTICAL

- CO1. Build and maintain rapport
- CO2. Identify demographic characteristics, health determinants and community health resources
- CO3. Diagnose health needs of individual and families
- CO4. Provide primary care in health centre
- CO5. Counsel and educate individual, family and community

COMMUNICATION & EDUCATIONAL TECHNOLOGY

- CO1. Describe the communication process
- CO2. Identify techniques of effective communication
- CO3. Establish effective inter-personal relations with patients, families & co-workers
- CO4. Develop effective human relations in context of nursing
- CO5. Develop basic skill of counseling and guidance
- CO6. Describe the philosophy & principles of education
- CO7. Explain the teaching learning process
- CO8. Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings

- CO9. Prepare and use different types of educational media effectively
- CO10. Prepare different types of questions for assessment of knowledge, skills and attitudes
- CO11. Teach individuals, groups, and communities about health with their active participation

ENVIRONMENTAL STUDIES

- CO1. Describe nature of environmental studies
- CO2. Explain uses of natural resource and the effects of exploitation
- CO3. Describe the types of Ecosystems
- CO4. Explain ecosystem diversity and Conservation of biodiversity
- CO5. Explain Causes, effects and control measures of environmental Pollution
- CO6. Describe the environmental social issues and the possible solutions
- CO7. Explain the human population and its impact on health
- CO8. Identify the local polluted sites and draw out the remedy measures

THIRD YEAR

MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)- II

- CO1. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat
- CO2. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Eye.
- CO3. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with neurological disorders
- CO4. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with disorder of female reproductive system
- CO5. Describe the concept of reproductive health and family welfare programme
- CO6. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with burns, reconstructive and cosmetic surgery
- CO7. Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with oncological conditions
- CO8. Describe organization of emergency and disaster care services
- CO9. Describe the role of nurse in disaster management
- CO10. Describe the role of nurse in management of common emergencies
- CO11. Explain the concept and problems of ageing
- CO12. Nursing care of the elderly
- CO13. Describe organization of critical care units
- CO14. Describe the role of nurse in management of patients in critical care units
- CO 15. Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder

**MEDICAL SURGICAL NURSING
(ADULT AND GERIATRICS)- II- PRACTICAL
ENT**

- CO1. Provide care to patients with ENT disorders
- CO2. Counsel and educate patient and families Ophthalmology
- CO3. Provide care to patients with Eye disorders
- CO4. Counsel and educate patient and families OT – Eye, ENT, Neuro
- CO5. Identify instruments
- CO6. Assist in OT set up
- CO7. Supervise sterilization
- CO8. Assist in OT table layout
- CO9. Observe immediately after operation
- CO10. Supervise infection control Neurology
- CO11. Provide care to patients with neurological disorders
- CO12. Counsel and educate patient and families Gynecology ward
- CO13. Provide care to patients with gynecological disorders
- CO14. Counsel and educate patient and families

Burns & plastic reconstructive surgery

- CO15. Assess the severity of burns
- CO16. Administer rehydration therapy
- CO17. Provide care to patients with Burns
- CO18. Counsel and educate patient and families
- CO19. Observe reconstructive surgery Oncology Unit
- CO20. Provide care to patients with cancer
- CO21. Counsel and educate patient and families Critical care unit (Neuro, general ICU)
- CO22. Provide care to critically ill patients
- CO23. Counsel patient and families for grief and bereavement
- CO24. Develop skill in neurological assessment
- CO25. Give care to the patient with head injury and spinal injury
- CO26. Care with chest surgery and cranial surgery

Casualty/ Emergency

- CO27. Provide care to patients in emergency and disaster situation
- CO28. Counsel patient and families for grief and bereavement

CHILD HEALTH NURSING

- CO1. Explain the modern concept of child care & principles of child health nursing
- CO2. Describe national policy programs and legislation in relation to child health and welfare
- CO3. List major causes of death during infancy, early & late childhood

- CO4. Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.
- CO5. Describe the principles of child health nursing
- CO6. Describe the normal growth & development of children at different ages
- CO7. Identify the needs of children at different ages & provide parental guidance
- CO8. Identify the nutritional needs of children at different ages and ways of meeting the needs
- CO9. Appreciate the role of play for normal & sick children
- CO10. Appreciate the preventive measures and strategies for children
- CO11. Provide care to normal & high risk neonates
- CO12. Perform neonatal resuscitation
- CO13. Recognize and manage common neonatal problems
- CO14. Provide nursing care in common childhood diseases
- CO15. Identify measures to prevent common childhood diseases including immunization
- CO16. Manage the child with behavioural & social problems
- CO17. Identify the social & welfare services for challenged children

CHILD HEALTH NURSING – PRACTICAL

Paediatric Medicine Ward

- CO1. Provide nursing care to children with various medical disorders Paediatric Surgery Ward
- CO2. Counsel and educate parents
- CO3. Recognize different paediatric surgical conditions/malformations
- CO4. Provide pre and post-operative care to children with common paediatric surgical conditions/malformation
- CO5. Counsel and educate parents Paediatric OPD/ Immunization room
- CO6. Perform assessment of children: Health Developmental and Anthropometric
- CO7. Perform immunization
- CO8. Give Health Education/Nutritional Education Paediatric medicine and surgery ICU
- CO9. Provide nursing care to critically ill children

Internship PSO'S

Paediatric Medicine Ward/ICU

- PSO1. Provide comprehensive care to children with medical conditions Paediatric Surgery Ward/ICU
- PSO2. Provide comprehensive care to children with surgical conditions NICU
- PSO3. Provide intensive care to neonates

MENTAL HEALTH NURSING

- CO1. Describe the historical development & current trends in mental health nursing
- CO2. Describe the epidemiology of mental health problems
- CO3. Describe the National Mental Health Act, programmes and mental health policy
- CO4. Discuss the scope of mental health nursing

- CO5. Describe the concept of normal & abnormal behavior
- CO6. Define the various terms used in mental health nursing
- CO7. Explain the classification of mental disorders
- CO8. Explain psycho dynamics of maladaptive behaviour
- CO9. Discuss the etiological factors, psychopathology of mental disorders
- CO10. Explain the principles and standards of Mental health Nursing
- CO11. Describe the conceptual models of mental health nursing
- CO12. Describe the nature, purpose and process of assessment of mental health status
- CO13. Identify therapeutic communication techniques
- CO14. Describe therapeutic relationship
- CO15. Describe therapeutic impasse and its intervention
- CO16. Explain treatment modalities and therapies used in mental disorders and role of the nurse
- CO17. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders
- CO18. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders
- CO19. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders
- CO20. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders
- CO21. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders
- CO22. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency
- CO23. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management organic brain disorders
- CO24. Identify psychiatric emergencies and carry out crisis intervention
- CO25. Explain legal aspects applied in mental health settings and role of the nurse
- CO26. Describe the model of preventive psychiatry
- CO27. Describe community Mental Health services and role of the nurse

MENTAL HEALTH NURSING – PRACTICAL

Psychiatric OPD

- CO1. Assess patients with mental health problems
 - CO2. Observe and assist in therapies
 - CO3. Counsel and educate patient and families
 - CO4. Assessment of children with various mental health problems
 - CO5. Counsel and educate children, families and significant others
- Child Guidance clinic
- CO1. Assess patient with mental health problems
 - CO2. To provide nursing care for patients with various mental health problems
 - CO3. Assist in various therapies

CO4. Counsel and educate patients, families and significant others Inpatient ward

CO1. Assess patient with mental health problems

CO2. To provide nursing care for patients with various mental health problems CO3. Assist in various therapies

CO4. Counsel and educate patients, families and significant others

Community Psychiatry

CO1. To identify patients with various mental disorders CO2. To motivate patients for early treatment and follow up CO3. Counsel and educate patient and family and community

Internship

Psychiatry ward

PSO1. Provide comprehensive care to patients with mental health problems

NURSING RESEARCH AND STATISTICS

CO1. Describe the concept of research, terms, need and areas of research in nursing CO2. Explain the steps of research process

CO3. Identify and state the research problem and objectives CO4. Review the related literature

CO5. Describe the research approaches and designs CO6. Explain the sampling process

CO7. Describe the methods of data collection

CO8. Analyze, Interpret and summarize the research data

CO9. Explain the use of statistics, scales of measurement and graphical presentation of data

CO10. Describe the measures of central tendency and variability and methods of correlation

CO11. Communicate and utilize the research findings

FOURTH YEAR

MIDWIFERY AND OBSTETRICAL NURSING

CO1. Recognize the trends and issues in midwifery and obstetrical nursing CO2. Describe the anatomy and physiology of 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 intranatal period CO6. Describe the physiology of puerperium

CO7. Describe the management of women during postnatal period CO8. Describe the assessment and management of normal neonate

CO9. Describe the identification and management of women with high risk pregnancy CO10. Describe management of abnormal labour and obstetrical emergencies

- CO11. Describe management of postnatal 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 of contraception and role of nurse in family welfare programme

MIDWIFERY AND OBSTETRICAL NURSING – PRACTICAL

Antenatal clinic/OPD

- CO1. Assessment of pregnant women Labour room O.T
- CO2. Assess woman in labour
- CO3. Carry out pervaginal examinations
- CO4. Conduct normal deliveries
- CO5. Perform episiotomy and suture it
- CO6. Resuscitate newborns
- CO7. Assist with caesarean sections, MTP and other surgical procedures
- Postnatal ward
- CO8. Provide nursing care to postnatal mother and baby
- CO9. Counsel and teach mother and family for parenthood
- Newborn nursery
- CO11. Provide nursing care to newborn at risk
- Family planning clinic
- CO 12. Counsel for and provide family welfare services

Internship Obstetrical Nursing

- Labour ward Neonatal Intensive care unit (NICU)
- Antenatal Postnatal Newborn Nursery
- PSO1. Provide comprehensive care to mothers and neonates

COMMUNITY HEALTH NURSING – II

- 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 concepts
- CO9. Describe the roles and responsibilities of Community health nursing personnel
- CO10. Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health
- CO11. Describe national health and family welfare programmes and role of a nurse
- CO12. Describe the various health schemes in India
- CO 13. Explain the roles and functions of various national and international health agencies

COMMUNITY HEALTH NURSING II – PRACTICAL

Identify community profile

- CO1. Identify prevalent communicable and noncommunicable diseases
- CO2. Diagnose health needs of Individual, families and community
- CO3. Plan, provide and evaluate care
- CO4. Participate in school health program
- CO5. Participate in national health programs
- CO6. Organize group for self help and involve clients in their own health activities
- CO7. Provide family welfare services
- CO8. Counsel and educate individual, family and community
- CO9. Collect vital health statistics
- CO10. Maintain records & reports

Internship

Urban

- PSO1. Provide comprehensive care to individual, family and community

MANAGEMENT OF NURSING SERVICES AND EDUCATION

- 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
- CO8. Explain the nursing practice standards
- CO9. Explain the Various opportunities for professional advancement

					A								
II Year													
Sociology	A	I						I		I			
Pharmacology	I			A									
Pathology	A	I											
Genetics	A	I											
Medical Surgical Nursing (Adult including geriatrics)- I	A	M	M	A	M	A	M	M	M	M	I		A
Community Health Nursing – I	A	I	A	I	A	A	M	M	A	A	I		A
Communication & Education Technology					A		M	M	A	M	I		A
Environmental Studies		A				A							
III Year													
Medical Surgical Nursing (Adult including geriatrics)-II	A	M	M	A	M	A	M	M	M	M	A	A	A

Child Health Nursing	A	M	M	A	M	A	M	M	M	M	A	A	A
Mental Health Nursing	A	M	M	A	M	A	M	M	M	M	A	A	A
Nursing Research and Statistics				A	I						A	A	A
IV Year													
Midwifery and Obstetrical Nursing	A	M	M	A	M	A	M	M	M	M	A	A	A
Community Health Nursing- II	A	M	M	A	M	A	M	M	M	M	M	A	A
Management of Nursing Service and Education				A	I		M	M	M	M	M	A	M

Key: I-Introduce A-Apply M-Mastery

B. Sc. NURSING (POST BASIC) PROGRAMME

PROGRAMME OUTCOMES

On completion of B.Sc. Nursing (Post Basic) Degree program the graduates will be able to:

PO 1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for Patients/clients that contribute to health of individuals, families and communities.

PO 2. Demonstrate competencies in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioural sciences.

PO 3. Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country.

PO 4. Demonstrate skills in communication and interpersonal relationship.

PO 5. Demonstrate leadership qualities and decision-making abilities in various situations.

PO 6. Demonstrate skills in teaching to individuals, groups in community health settings.

PO 7. Demonstrate managerial skills in community health settings.

PO 8. Practice ethical values in their personal and professional life.

PO 9. Participate in research activities and utilize research findings in improving nursing practice.

PO 10. Recognize the need for continued learning for their personal and professional development

COURSE OUTCOMES

NURSING FOUNDATION

CO 1. Identify professional aspects of nursing.

CO 2. Explain theories of nursing.

CO 3. Identify ethical aspects of nursing profession.

CO 4. Utilize steps of nursing process.

CO 5. Identify the role of the nurse in various levels of health services.

CO 6. Appreciate the significance of quality assurance in nursing.

CO 7. Explain current trends in health and nursing.

NUTRITION & DIETETICS

CO 1. Explain the principles and practices of nutrition and dietetics

CO 2. Plan therapeutic diets in different settings

CO 3. Identify nutritional needs of different age groups and plan diet accordingly

CO 4. Prepare meals using different methods utilizing cookery rules

BIOCHEMISTRY & BIOPHYSICS

CO 1. Identify the basic principles of Biochemistry and Biophysics

CO 2. Synthesize the knowledge of these principles in various nursing situations

PSYCHOLOGY

CO 1. Apply psychological principles while performing nursing duties

CO 2. Distinguish the psychological processes during health and sickness

CO 3. Analyze own behavior patterns

CO 4. Tabulate the psychological needs of the patients for planning nursing care

CO 5. Participate in psychometric assessment of the client

MICROBIOLOGY

CO 1. Identify common disease producing micro-organisms

CO 2. Explain the basic principles of microbiology and their significance in health and disease

CO 3. Demonstrate skill in handling specimens

CO 4. Explain various methods of dis-infection and sterilization

CO 5. Identify the role of the nurse in hospital infection control system

MATERNAL NURSING

CO 1. Describe the physiology of pregnancy, labour and puerperium.

CO 2. Manage normal pregnancy, labour and puerperium.

CO 3. Explain the physiology of lactation and advice on management of breast feeding.

CO 4. Be skilled in providing pre and post operative nursing care in obstetric conditions.

CO 5. Identify and manage high risk pregnancy, labor, puerperium and neonates including appropriate referrals.

CO 6. Propagate the concept and motivate acceptance of family planning methods.

CO 7. Teach, guide and supervise auxiliary midwifery personnel.

CHILD HEALTH NURSING

CO 1. Explain the modern concepts of child care and the principles of child health nursing.

CO 2. Describe the normal growth and development of children at different ages.

CO 3. Manage sick as well as healthy neonates and children.

CO 4. Identify various aspects of preventive paediatric nursing and apply them in providing nursing care to children in hospital and community

MEDICAL AND SURGICAL NURSING

CO 1. Explain relevant anatomy and physiology of various systems of the body.

CO 2. Explain pathophysiology of various disorders.

CO 3. Explain the actions, side effects and nursing implications in administering drugs for various disorders.

CO 4. Discuss the recent advancement in the treatment and care of patients with medical surgical conditions.

CO 5. Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.

CO 6. Assist the patients and their families in identifying and meeting their own health needs.

CO 7. Appreciate the role of the nurse in the medical surgical health team.

ENGLISH

CO 1. Ability to speak and write grammatically correct English

CO 2. Effective skill in reading and understanding the English language

CO 3. Skill in reporting

SOCIOLOGY

CO 1. Describe sociological concepts that are applicable to nursing

CO 2. Determine role of sociology in nursing as related to social institutions in India

CO 3. Develop positive attitudes towards individual, family and community

COMMUNITY HEALTH NURSING

CO 1. Explain the concept of various factors contributing to health of individual, family and community.

CO 2. Identify the role of community health nurse.

CO 3. Describe national health care delivery system.

CO 4. Describe epidemiological methods and principles of prevention and control of illness in the community.

CO 5. Identify the role of personnel working in the community health set up.

CO 6. Plan the work of community health nurse and supervise and train health workers

MENTAL HEALTH NURSING

CO 1. Identify and describe the philosophy and principles of mental health nursing

CO 2. Describe the historical development of mental health and psychiatric nursing

CO 3. Classify mental disorders

CO 4. Develop skill in history taking and performing mental status examination

CO 5. Describe etiological factors, psycho-pathology, clinical features, diagnostic criteria and treatment methods used for mental disorders

CO 6. Manage the patients with various mental disorders

CO 7. Communicate therapeutically with patients and their families

CO 8. Identify role of the nurse in preventive psychiatry

CO 9. Identify the legal aspects in practice of mental health and psychiatric nursing

INTRODUCTION TO NURSING EDUCATION

- CO 1. Describe the philosophy and principles of education
- CO 2. Explain the teaching – learning process and curriculum development
- CO 3. Develop the ability to teach, using various methods and media
- CO 4. Describe the process of assessment
- CO 5. Describe the administrative aspects of school of nursing
- CO 6. Participate in planning and organizing an in-service education programme
- CO 7. Develop basic skill of counseling and guidance

INTRODUCTION TO NURSING SERVICE ADMINISTRATION

- CO 1. Identify the principles of administration
- CO 2. Describe the principles and techniques of supervision
- CO 3. Explain the principles and methods of personnel management
- CO 4. Explain the principles of budgeting
- CO 5. Organize and manage a nursing unit effectively
- CO 6. Identify dynamics of organizational behaviour, styles and functions of effective leadership

INTRODUCTION TO NURSING RESEARCH AND STATISTICS

- CO 1. Define the terms and concepts of nursing research
- CO 2. Identify needs and scope of nursing research
- CO 3. Identify and define a research problem
- CO 4. Locate and list sources of literature for a specific study
- CO 5. Describe different research approaches, methods of data collection and sampling techniques with a special reference to survey method
- CO 6. Develop tool for data collection
- CO 7. Enumerate steps of data analysis and present data summary in tabular form
- CO 8. Use descriptive and co-relational statistics in data analysis
- CO 9. Conduct a group research project

B. Sc. Nursing (Post Basic)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Courses	Assess health status, identify nursing needs, plan, implement and evaluate nursing care for Patients/clients that contribute to health of individuals, families and communities	Demonstrate competencies in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioural sciences	Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country	Demonstrate skills in communication and interpersonal relationship	Demonstrate leadership qualities and decision-making abilities in various situations	Demonstrate skills in teaching to individuals, groups in community health settings	Demonstrate managerial skills in community health settings	Practice ethical values in their personal and professional life	Participate in research activities and utilize research findings in improving nursing practice	Recognize the need for continued learning for their personal and professional development
I Year										
Nursing Foundation	A	M	A	A						R
Nutrition & Dietetics	R									
Biochemistry & Biophysics	R									
Psychology	R									
Microbiology	R									
Maternal Nursing	M	M	M	M	M	M		M		A

Child Health Nursing	M	M	M	M	M	M		M		A
Medical Surgical Nursing	M	M	M	M	M	M		M		A
English				R						
II Year										
Sociology	R									
Community Health Nursing	M	M	M	M	M	M	M	M	A	A
Mental Health Nursing	M	M	M	M	M	M		M	A	A
Introduction to Nursing Education				M	A	A		A		R
Introduction to Nursing Service Administration			M	M	M	M	M	M	A	M
Introduction to Nursing Research & Statistics									M	A

Key: R-Reinforce A-Apply M-Mastery

M.Sc. NURSING PROGRAMME

PROGRAMME OUTCOME

On completion of the two years M.Sc. Nursing programme, the graduate will be able to:-

PO1.Utilize/apply the concepts, theories and principles of nursing science.

PO2. Demonstrate advance competence in practice of nursing.

PO3. Practice as a nurse specialist.

PO4. Demonstrate leadership qualities and function effectively as nurse educator and manager.

PO5. Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.

PO6. Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system. PO7. Establish collaborative relationship with members of other disciplines.

PO8. Demonstrate interest in continued learning for personal and professional advancement.

COURSE OUTCOMES

FIRST YEAR

NURSING EDUCATION

CO1:Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.

CO 2: Describe the teaching learning process.

CO 3 :Prepare and utilize various instructional media and methods in teaching learning process.

CO 4: Demonstrate competency in teaching, using various instructional strategies.

CO 5: Critically analyze the existing nursing educational programs, their problems, issues and future trends.

CO 6: Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.

CO 7: Plan and conduct continuing nursing education programs.

CO 8: Critically analyze the existing teacher preparation programs in nursing.

CO 9: Demonstrate skill in guidance and counseling.

CO 10 : Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.

CO 11 Explain the development of standards and accreditation process in nursing education programs.

CO 12. Identify research priorities in nursing education.

CO 13. Discuss various models of collaboration in nursing education and services.

CO 14. Explain the concept, principles, steps, tools and techniques of evaluation.

CO 15. Construct, administer and evaluate various tools for assessment of knowledge, skill and attitude

ADVANCED NURSING PRACTICE

- CO1. Appreciate and analyze the development of nursing as a profession.
- CO2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
- CO3. Explain bio-psycho-social dynamics of health, life style and health care delivery system.
- CO4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
- CO5. Describe scope of nursing practice.
- CO6. Provide holistic and competent nursing care following nursing process approach.
- CO7. Identify latest trends in nursing and the basis of advance nursing practice.
- CO8. Perform extended and expanded role of nurse.
- CO9. Describe alternative modalities of nursing care.
- CO10. Describe the concept of quality control in nursing.
- CO11. Identify the scope of nursing research.
- CO12. Use computer in patient care delivery system and nursing practice.
- CO13. Appreciate importance of self development and professional advancement.

CLINICAL SPECIALITY – I MEDICAL SURGICAL NURSING

- CO1. Appreciate the trends & issues in the field of medical surgical nursing as a specialty.
- CO2. Apply concepts & theories related to health promotion.
- CO3. Appreciate the client as a holistic individual.
- CO4. Perform physical, psychosocial assessment of medical surgical patients.
- CO5. Apply nursing process in providing care to patients.
- CO6. Integrate the concept of family centered nursing care with associated disorders such as genetic, congenital and long term illness.
- CO7. Recognize and manage emergencies with medical surgical patients.
- CO8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
- CO9. Appreciate the legal & ethical issues relevant to medical surgical nursing.
- CO10. Prepare a design for layout and management of medical surgical units.
- CO11. Appreciate the role of alternative system of medicine in care of patients.
- CO12. Incorporate evidence based nursing practice and identify the areas of research in the field of medical surgical nursing.
- CO13. Recognize the role of nurse practitioner as a member of medical surgical health team.
- CO14. Teach medical surgical nursing to undergraduate nursing students and in-service nurses

CLINICAL SPECIALITY - I OBSTETRICS AND GYNAECOLOGY NURSING

- CO1. Appreciate the trends in the field of midwifery, obstetrics and gynaecology as a specialty.
- CO2. Describe the population dynamics and indicators of maternal and child health.
- CO3. Describe the concepts of biophysical, psychological and spiritual aspects of normal

pregnancy, labor and puerperium.

CO4. Provide comprehensive nursing care to women during reproductive period and newborns.

CO5. Integrate the concepts of family centered nursing care and nursing process approach in obstetrics and gynaecology nursing

CO6. Identify and analyze the deviations from normal birth process and refer appropriately.

CO7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse.

CO8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation.

CO9. Describe the role of various types of complementary and alternative therapies in obstetrics and gynaecology nursing

CO10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetrics and gynaecology nursing

CO11. Describe the recent advancement in contraceptive technology and birth control measures

CO12. Appreciate the legal and ethical issues pertaining to obstetrics and gynaecology nursing.

CLINICAL SPECIALTY – I CHILD HEALTH (PAEDIATRIC) NURSING

CO1. Appreciate the history and developments in the field of pediatrics and pediatric nursing as a specialty.

CO2. Apply the concepts of growth and development in providing care to the pediatric clients and their families.

CO3. Appreciate the child as a holistic individual.

CO4. Perform physical, developmental, and nutritional assessment of pediatric clients.

CO5. Apply nursing process in providing nursing care to neonates & children.

CO6. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.

CO7. Recognize and manage emergencies in neonates.

CO8. Describe various recent technologies and treatment modalities in the management of high risk neonates.

CO9. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing.

CO10. Prepare a design for layout and management of neonatal units.

CO11. Incorporate evidence based nursing practice and identify the areas of research in the field of pediatric / neonatal nursing.

CO12. Recognize the role of pediatric nurse practitioner and as a member of the pediatric and neonatal health team.

CO13. Teach pediatric nursing to undergraduate students & in-service nurses.

CLINICAL SPECIALITY – I

MENTAL HEALTH (PSYCHIATRIC) NURSING

CO1. Appreciate the trends and issues in the field of psychiatry and psychiatric nursing

CO2. Explain the dynamics of personality development and human behaviour

CO3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing

CO4. Demonstrate therapeutic communication skills in all interactions

CO5. Demonstrate the role psychiatric nurse practitioner in various therapeutic modalities

CO6. Establish and maintain therapeutic relationship with individual and groups

CO7. Use assertive techniques in personal and professional actions

CO8. Promote self-esteem of clients, others and self

CO9. Apply the nursing process approach in caring for patients with mental disorders

CO10. Describe the psychopharmacological agents, their effects and nurses role

CO11. Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team

CO12. Describe various types of alternative system of medicines used in psychiatric settings

CO13. Incorporate evidence based nursing practice and identify the areas of research in the field of psychiatric nursing

CLINICAL SPECIALITY – I

COMMUNITY HEALTH NURSING

CO1. Appreciate the history and development in the field of community Health and community Health nursing.

CO2. Appreciate role of individuals and families in promoting health of the community.

CO3. Perform physical, developmental and nutritional assessment of individuals, families and groups.

CO4. Apply the concepts of promotive, preventive, curative and rehabilitative aspect of the health while providing care to the people.

CO5. Apply nursing process approach while providing care to individuals, families, groups and community.

CO6. Integrate the concepts of family centered nursing approach while providing care to the community.

CO7. Recognize and participate in the management of emergencies, epidemics and disasters.

CO8. Apply recent technologies and care modalities while delivering community health nursing care.

CO9. Appreciate legal and ethical issues pertaining to community health nursing care.

CO10. Conduct community health nursing care project.

CO11. Participate in planning, implementation and evaluation of various national health and family welfare programmes at local, state and the national level.

CO12. Incorporate evidence based nursing practice and identify the areas of research in the

community settings.

CO13. Participate effectively as a member of Community Health team.

CO14. Coordinate and collaborate with various agencies operating in the community by using inter- sectoral approach.

CO15. Teach community health nursing to undergraduates, in- service nurse and the community health workers.

CO16. Demonstrate leadership and managerial abilities in community health nursing practice.

NURSING RESEARCH AND STATISTICS

CO1. Define basic research terms and concepts.

CO2. Review literature utilizing various sources.

CO3. Describe research methodology.

CO4. Develop a research proposal.

CO5. Conduct of a research study.

CO6. Communicate research findings.

CO7. Utilize research findings.

CO8. Critically evaluate nursing research studies.

CO9. Write scientific papers for publication

CO10. Explain the basic concepts related to statistics

CO11. Describe the scope of statistics in health and nursing

CO 12. Organize, tabulate and present data meaningfully

CO 13. Use descriptive and inferential statistics to predict results

CO14. Draw conclusions of the study and predict statistical significance of the results

CO15. Describe vital health statistics and their use in health related research

CO16. Use statistical packages for data analysis

SECOND YEAR

NURSING MANAGEMENT

CO1. Describe the philosophy and objectives of the healthcare institutions at various levels.

CO2. Identify trends and issues in nursing.

CO3. Discuss the public administration, healthcare administration vis a vis nursing administration.

CO4. Describe the principles of administration applied to nursing.

CO5. Explain the organization of health and nursing services at the various levels/institutions.

CO6. Collaborate and co-ordinate with various agencies by using multi-sectoral approach.

CO7. Discuss the planning, supervision and management of nursing workforce of various healthcare settings.

CO8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.

CO9. Identify and analyse legal and ethical issues in nursing administration.

CO10. Describe the process of quality assurance in nursing services. CO11. Demonstrate leadership in nursing at various levels.

CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING - CARDIOVASCULAR AND THORACIC NURSING

CO1. Appreciate trends and issues related to cardiovascular and thoracic nursing.

CO2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardiovascular and thoracic conditions.

CO3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardiovascular and thoracic conditions.

CO4. Perform physical, psychosocial & spiritual assessment

CO5. Assist in various diagnostic, therapeutic and surgical procedures

CO6. Apply nursing process in providing comprehensive care to patients with cardiovascular and thoracic conditions.

CO7. Demonstrate advanced skills/competence in managing patients with cardiovascular and thoracic conditions including advanced cardiac life support.

CO8. Describe the various drugs used in cardiovascular and thoracic conditions and nurses responsibility

CO9. Demonstrate skill in handling various equipments/gadgets used for critical care of cardiovascular and thoracic patients

CO10. Appreciate team work & coordinate activities related to patient care.

CO11. Practice infection control measures

CO12. Identify emergencies and complications & take appropriate measures

CO13. Discuss the legal and ethical issues in cardiovascular and thoracic nursing.

CO14. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs.

CO15. Appreciate the role of alternative system of medicine in care of patient

CO16. Incorporate evidence based nursing practice and identify the areas of research in the field of cardiovascular and thoracic nursing

CO17. Identify the sources of stress and manage burnout syndrome among healthcare providers.

CO18. Teach and supervise nurses and allied health workers.

CO19. Design a layout of ICCU and ICTU and develop standards for cardiovascular and thoracic nursing practice.

CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING – CRITICAL CARE NURSING

CO1. Appreciate trends and issues related to Critical Care Nursing

CO2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients. CO3. Describe the various drugs used in critical care and nurses' responsibility.

- CO4. Perform physical, psychosocial & spiritual assessment
- CO5. Demonstrate advanced skills/competence in managing critically ill patients including advanced cardiac life support
- CO6. Demonstrate skill in handling various equipments/gadgets used for critical care
- CO7. Provide comprehensive care to critically ill patients
- CO8. Appreciate team work & coordinate activities related to patient care
- CO9. Practice infection control measures.
- CO10. Assess and manage pain
- CO11. Identify complications & take appropriate measures
- CO12. Discuss the legal and ethical issues in critical care nursing
- CO13. Assist patients and their family to cope with emotional and spiritual distress, grief and anxiety
- CO14. Assist in various diagnostic, therapeutic and surgical procedures
- CO15. Incorporate evidence based nursing practice and identify the areas of research in the field of critical care nursing
- CO16. Identify the sources of stress and manage burnout syndrome among healthcare providers.
- CO17. Teach and supervise nurses and allied health workers
- CO18. Design a layout of ICU and develop standards for critical care nursing practice.

CLINICAL SPECIALITY – II

MEDICAL SURGICAL NURSING – ONCOLOGY NURSING

- CO1. Explain the prevention, screening and early detection of cancer
- CO2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems
- CO3. Describe the psychosocial effects of cancer on patients and families
- CO4. Demonstrate skill in administering/assisting various treatment modalities used for patients with cancer
- CO5. Apply nursing process in providing holistic care to patients with cancer.
- CO6. Apply specific concepts of pain management
- CO7. Appreciate the care of death and dying patients and value of bereavement support
- CO8. Describe the philosophy, concept and various dimensions of palliative care
- CO9. Appreciate the role of alternative systems of medicine in care of patients with cancer
- CO10. Appreciate the legal & ethical issues relevant to oncology nursing
- CO11. Recognize and manage oncological emergencies
- CO12. Counsel the patients with cancer and their families
- CO13. Incorporate evidence based nursing practice and identify the areas of research in the field of oncology nursing
- CO14. Recognize the role of oncology nurse practitioner as a member of the oncology team
- CO15. Collaborate with other agencies and utilize resources in caring for cancer patients.
- CO16. Teach and supervise nurses and allied health workers

CO17. Design a layout and develop standards for management of oncology units/hospitals and nursing care.

MEDICAL SURGICAL NURSING – NEUROSCIENCES NURSING

CO1. Appreciate trends and issues related to neurology and neurosurgical nursing

CO2. Review the anatomy and physiology of nervous system

CO3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with neurological and neurosurgical disorders

CO4. Perform neurological assessment and assist in diagnostic procedures

CO5. Describe the concepts and principles of neurosciences nursing

CO6. Describe the various drugs used in neurosciences and nurses responsibility.

CO7. Assist in various therapeutic and surgical procedures in neuroscience nursing

CO8. Demonstrate advanced skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach

CO9. Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional and spiritual distress, grief and anxiety

CO10. Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.

CO11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing

CO12. Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing

CO13. Organize and contact in-service education program for nursing personnel

CO14. Develop standards of care for quality assurance in neuroscience nursing practice

CO15. Identify the sources of stress and manage burnout syndrome among healthcare providers

CO16. Teach and supervise nurses and allied health workers

CO17. Plan and develop physical layout of neuro intensive care unit

MEDICAL SURGICAL NURSING – NEPHRO-UROLOGY NURSING

CO1. Appreciate trends and issues related to nephro and urological nursing

CO2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions

CO3. Perform physical, psychosocial & spiritual assessment

CO4. Assist in various diagnostic, therapeutic and surgical interventions

CO5. Provide comprehensive care to patients with nephro and urological conditions

CO6. Describe the various drugs used in nephro and urological conditions and nurses responsibility.

CO7. Demonstrate skill in handling various equipment/gadgets used for patients with nephro and urological conditions

CO8. Appreciate team work & coordinate activities related to patient care

- CO9. Practice infection control measures
- CO10. Identify emergencies and complications & take appropriate measures
- CO11. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
- CO12. Discuss the legal and ethical issues in nephro and urological nursing
- CO13. Identify the sources of stress and manage burnout syndrome among healthcare providers
- CO14. Appreciate the role of alternative system of medicine in the care of patient
- CO15. Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing
- CO16. Teach and supervise nurses and allied health workers
- CO17. Design a layout of kidney transplant unit care, dialysis unit
- CO18. Develop standards of nephro urological nursing practice

MEDICAL SURGICAL NURSING – ORTHOPEDIC NURSING

- CO1. Appreciate the history and developments in the field of orthopedic nursing
- CO2. Identify the psychosocial needs of the patient while providing holistic care
- CO3. Perform physical and psychological assessment of patients with orthopedic conditions and disabilities
- CO4. Describe the various disease conditions and their management
- CO5. Discuss various diagnostic tests required in orthopedic conditions
- CO6. Apply nursing process in providing care to patients with orthopedic conditions and those requiring rehabilitation
- CO7. Recognize and manage orthopedic emergencies
- CO8. Describe recent technologies and treatment modalities in the management of patients with orthopedic conditions and those requiring rehabilitation
- CO9. Integrate the concept of family centered, long term care and community based rehabilitation to patients with orthopedic conditions
- CO10. Counsel the patients and their families with orthopedic conditions
- CO11. Describe various orthotic and prosthetic appliances
- CO12. Appreciate the legal and ethical issues pertaining to patients with orthopedic conditions and those requiring rehabilitation
- CO13. Appreciate the role of alternative system of medicine in care of patients with orthopedic conditions
- CO14. Incorporate evidence based nursing practice and identify the areas of research in the field of orthopedic nursing
- CO15. Recognize the role of orthopedic nurse practitioner and as a member of the orthopedic and rehabilitation team
- CO16. Teach orthopedic nursing to undergraduate students and in-service nurses
- CO17. Prepare a design and layout of orthopedic and rehabilitative unit

MEDICAL SURGICAL NURSING – GASTROENTEROLOGY NURSING

- CO1. Appreciate trends and issues related to gastroenterology nursing
- CO2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of gastrointestinal conditions
- CO3. Participate in national health programs for health promotion, prevention and rehabilitation of patient with gastrointestinal conditions
- CO4. Perform physical, psychosocial & spiritual assessment
- CO5. Assist in various diagnostic, therapeutic and surgical procedures
- CO6. Provide comprehensive care to patients with gastrointestinal conditions
- CO7. Describe the various drugs used in gastrointestinal conditions and nurses responsibility.
- CO8. Demonstrate skill in handling various equipments/gadgets used for patients with gastrointestinal conditions
- CO9. Appreciate team work & coordinate activities related to patient care
- CO10. Practice infection control measures
- CO11. Identify emergencies and complications & take appropriate measures
- CO12. Assist patients and their family to cope with emotional distress, grief and anxiety and spiritual need
- CO13. Discuss the legal and ethical issues in GE nursing
- CO14. Identify the sources of stress and manage burnout syndrome among healthcare providers
- CO15. Appreciate the role of alternative system of medicine in the care of patient with GI disorders
- CO16. Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing
- CO17. Teach and supervise nurses and allied health workers
- CO18. Design a layout of Gastroenterology intensive care unit (GEICU), liver care/transplant unit.

CLINICAL SPECIALITY – II OBSTETRICS AND GYNAECOLOGY NURSING

- CO1. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynaecological conditions.
- CO2. Perform physical, psychosocial, cultural and spiritual assessment.
- CO3. Demonstrate competence in caring for women with obstetrical and gynaecological conditions
- CO4. Demonstrate competence in caring for high risk newborn
- CO5. Identify and manage obstetrical and neonatal emergencies as per protocol.
- CO6. Practice infection control measures.
- CO7. Utilize recent technology and various diagnostic, therapeutic modalities in the management of obstetrical, gynecological and neonatal care
- CO8. Demonstrate skill in handling various equipments/gadgets used for obstetrical,

gynaecological and neonatal care

CO9. Teach and supervise nurses and allied health workers

CO10. Design a layout of speciality units of obstetrics and gynecology

CO11. Develop standards for obstetrical and gynaecological nursing practice

CO12. Counsel women and families

CO13. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetrical and gynaecology nursing

CO14. Function as independent midwifery nurse practitioner

CLINICAL SPECIALITY – II PEDIATRIC (CHILD HEALTH) NURSING

CO1. Apply the nursing process in the care of ill infants to pre adolescents in hospital and community

CO 2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems

CO 3. Recognize and manage emergencies in children

CO 4. Provide nursing care to critically ill children

CO 5. Utilize the recent technology and various treatment modalities in the management of high risk children

CO 6. Prepare a design for layout and describe standards for management of pediatric units/hospitals

CO 7. Identify areas of research in the field of pediatric nursing

CLINICAL SPECIALITY – II PSYCHIATRIC (MENTAL HEALTH) NURSING

CO1. Apply the nursing process in the care of patients with mental disorders in hospital and community

CO2. Demonstrate advanced skills/competence in nursing management of patients with mental disorders

CO3. Identify and care for special groups like children, adolescents, women, elderly, abused and neglected people living with HIV/AIDS

CO4. Identify and manage psychiatric emergencies

CO5. Provide nursing care to critically ill patients with mental disorders

CO6. Utilize the recent technology and various treatment modalities in the management of patients with mental disorders

CO7. Demonstrate skills in carrying out crisis intervention

CO8. Appreciate the legal and ethical issues pertaining to psychiatric nursing

CO9. Identify areas of research in the field of psychiatric nursing

CO10. Prepare a design for layout and describe standards for management of psychiatric units/emergency units/hospitals

CO11. Teach psychiatric nursing to undergraduate students & in-service nurses

CLINICAL SPECIALITY – II COMMUNITY HEALTH NURSING

CO1. Appreciate trends and issues related to community health nursing- reproductive and child health, school health, occupational health, international health, rehabilitation, geriatric and mental health

CO 2. Apply epidemiological concepts and principles in community health nursing practice

CO 3. Perform community health assessment and plan health programme

CO 4. Describe the various components of reproductive and child health programme

CO 5. Demonstrate leadership abilities in organizing community health nursing services by using intersectoral approach

CO 6. Describe the role and responsibilities of community health nurse in various National Health and Family Welfare Programmes

CO 7. Participate in the implementation of various national health and family welfare programme

CO 8. Demonstrate competencies in providing family centered nursing care independently

CO 9. Participate/conduct research for new insights and innovative solutions to health problems

CO 10. Teach and supervise nurses and allied health workers

CO 11. Design a layout of sub center /Primary health center/ Community health centre and develop standards for community health nursing practice

M. Sc. Nursing Curriculum Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
Courses	Utilize/apply the concepts, theories and principles of nursing science	Demonstrate advance competence in practice of nursing	Practice as a nurse specialist	Demonstrate leadership qualities and function effectively as nurse educator and manager	Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research	Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system	Establish collaborative relationship with members of other disciplines	Demonstrate interest in continued learning for personal and professional advancement
I Year								
Nursing Education	A	M		M				A
Advanced Nursing Practice	M	M	A	A	A	A	M	A
Clinical Specialty- I Medical Surgical Nursing	M	M	A	A	A	A	M	A
Clinical Specialty- I Obstetrics & Gynaecology Nursing	M	M	A	A	A	A	M	A
Clinical Specialty- I Paediatric Nursing	M	M	A	A	A	A	M	A

Clinical Specialty- I Psychiatric Nursing	M	M	A	A	A	A	M	A
Clinical Specialty- I Community Health Nursing	M	M	A	A	A	A	M	A
Nursing Research & Statistics	A				A		M	A
II Year							M	A
Nursing Management	M			M	M	A	M	A
Clinical Specialty - II Medical Surgical Nursing (Cardio Vascular & Thoracic Nursing, Critical Care Nursing, Oncology Nursing, Neurosciences Nursing, Nephro- Urology Nursing, Orthopedic Nursing and Gastro Enterology Nursing)	M	M	M	AD	AD	AD	M	A
Clinical Specialty - II Obstetrics & Gynaecology Nursing	M	M	M	M	M	A	M	A
Clinical Specialty - II Paediatric Nursing	M	M	M	M	M	A	M	A

Clinical Specialty - II Psychiatric Nursing	M	M	M	M	M	A	M	A
Clinical Specialty - II Community Health Nursing	M	M	M	M	M	A	M	A

Key: A-Apply M-Mastery

M. Sc. NURSING (NURSE PRACTITIONER IN CRITICAL CARE)

PROGRAMME OUTCOMES:

On completion of the program, the Nurse Practitioner will be able to:-

PO1. Assume responsibility and accountability to provide competent care to critically ill patients and appropriate family care in tertiary care centers

PO2. Demonstrate clinical competence / expertise in providing critical care which includes diagnostic reasoning, complex monitoring and therapies

PO3. Apply theoretical, pathophysiological and pharmacological principles and evidence base in implementing therapies / interventions in critical care

PO4. Identify the critical conditions using differential diagnosis and carry out treatment/interventions to stabilize and restore patient's health and minimize or manage complications independently or collaboratively as a part of critical care team

PO5. Assess and participate in treating patients with critical illnesses to stabilize and restore patient's health and minimize or manage complications independently or collaboratively as a part of critical care team

PO6. Collaborate with other health care professionals in the critical care team, across the continuum of critical care

COURSE OUTCOMES:

PCC19CT101: Theoretical Basis for Advanced Practice Nursing

Objectives:

On completion of the course, the student will be able to:

Understand the concepts and constructs of theoretical basis of advance nursing practice and critically analyze different theories of nursing and other disciplines

CO 1. Analyses the global healthcare trends and challenges

CO2. Analyses the impact of Health care and Education policies in India on nursing consulting the documents available.

CO3. Develops in depth understanding of the healthcare delivery system in India, and its challenges

CO4. Applies economic principles relevant to delivery of healthcare services in critical care

CO5. Manages and transforms health information to effect health outcomes such as cost, quality and satisfaction

CO6. Accepts the accountability and responsibility in practicing the Nurse practitioner's roles and competencies

CO7. Actively participates in collaborative practice involving all health care team members in critical care and performs the prescriptive roles within the authorized scope

CO8. Egages in ethical practice having a sound knowledge of law, ethics and regulation of advanced nursing practice

CO9. Uses the training opportunities provided through well planned preceptorship and performs safe and competent care applying nursing process/care pathways or clinical pathways

CO10. Applies the knowledge of nursing theories in providing competent care to critically ill patients

CO11. Predicts future challenges of nurse practitioner's roles in variety of healthcare settings particularly in India

PCC19CT 102: Research Application and Evidence Based Practice in Critical Care

Objectives:

At the end of the course the students will acquire an understanding of the research methodology and statistical methods as a basis for identifying research problem, planning and implementing a research plan.

CO1. Applies sound research knowledge and skills in conducting independent research in critical care setting

CO2. Participates in collaborative research to improve patient care quality

CO3. Interprets and uses research findings in advanced practice to produce EBP

CO4. Tests / Evaluates current practice to develop best practices and health outcomes and quality care in advanced practice

CO5. Analyzes the evidence for nursing interventions carried out in critical care nursing practice

to promote safety and effectiveness of care

CO6. Develops skill in writing scientific research reports

PCC19CT103: Advanced skills in Leadership, management and Teaching

Objectives:

At the end of the course the students will develop:

- understanding of the principles, concepts, trends and issues related to nursing management.
- appreciate and acquire skills in planning, supervision and management of nursing services at different levels to provide quality nursing services
- understanding of Fundamental Principles, concepts, related to nursing education

CO1. Applies principles of leadership and management in critical care units

CO2. Manages stress and conflicts effectively in a critical care setting using sound knowledge of principles

CO3. Applies problem solving and decision making skills effectively

CO4. Uses critical thinking and communication skills in providing leadership and managing patient care in ICU

CO5. Builds teams and motivates others in ICU setting

CO6. Develops unit budget, manages supplies and staffing effectively

CO7. Participates appropriately in times of innovation and change

CO8. Uses effective teaching methods, media and evaluation based on sound principles of teaching

CO9. Develops advocacy role in patient care, maintaining quality and ethics in ICU environment

CO10. Provides counseling to families and patients in crisis situations particularly end of life care

PCC19PC104: Advanced Pathophysiology & Pharmacology Applied to Critical care

Objectives:

At the end of the course, the student will acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

CO1. Integrates the knowledge of pathophysiological process in critical conditions in developing diagnosis and plan of care

CO2. Applies the patho-physiological principles in symptom management and secondary prevention of critical illnesses

CO3. Analyzes the pathophysiological changes relevant to each critical illness recognizing the value of diagnosis, treatment, care and prognosis

PCC19PL106: Advanced Pathophysiology & Pharmacology Applied to Critical care

Objectives:

At the end of the course, the student will acquire understanding of pharmaco-dynamics, Pharmacokinetics, principles of therapeutics and nursing implications

CO1. Applies the pharmacological principles in providing care to critically ill patients and families

CO2. Analyzes pharmaco therapeutics and pharmaco-dynamics relevant to drugs used in the treatment of critical care conditions

CO3. Performs safe drug administration based on principles and institutional protocols

CO4. Documents accurately and provides follow up care

CO5. Applies sound knowledge of drug interactions in administration of drugs to critically ill patients in the critical care settings and guiding their families in self-care management

PCC19PC105 : Advanced Health & Physical Assessment in Critical Care Nursing

Objectives:

At the end of the course, the student will

- Describe and perform the physical assessment system-wise
- Analyse, diagnose, manage and provide follow-up care

CO1. Applies the physical assessment principles in developing appropriate system wise examination skills

CO2. Uses advanced health assessment skills to differentiate between variations of normal and abnormal findings

CO3. Orders screening and diagnostic tests based on the examination findings

CO4. Analyzes the results of various investigations and works collaboratively for development of diagnoses

CO5. Documents assessment, diagnosis, and management and monitors followup care in partnership with health care team members, patients, and families

Foundations of Critical Care Nursing Practice, Critical Care Nursing I and Critical Care Nursing II

Objectives:

At the end of these courses the students will develop:

- Expertise and in-depth knowledge in the field of Critical Care Nursing.
- Demonstrate advanced skills for nursing intervention in caring for critically ill patients.

CO1. Applies advanced concepts of critical care nursing based on sound knowledge of these concepts

CO2. Uses invasive and noninvasive technology and interventions to assess, monitor and promote physiologic stability

CO3. Works in collaboration with other healthcare team members and prepares care/clinical pathways in assessment and management of patients with critical conditions

CO4. Consults with and is consulted by other health care professionals

CO5. Provides nursing care related to health protection, disease prevention, anticipatory guidance, counseling, management of critical illness, palliative care and end of life care

CO6. Uses advanced skills in complex and unstable environments

CO7. Applies ethically sound solutions to complex issues related to individuals, populations and systems of care

CO8. Practices principles of infection control relevant to critical care

CO9. Practices independently within the legal framework of the country towards the interest of patients, families and communities

CO10. Develops practice that is based on scientific evidence

CO11. Uses applicable communication, counseling, advocacy and interpersonal skills to initiate, develop and discontinue therapeutic relationships

CO12. Creates and maintains a safe therapeutic environment using risk management strategies and quality improvement

CO13. Adapts practice to the social, cultural and contextual milieu.

M. Sc. Nursing (Nurse Practitioner in Critical Care) Curriculum Mapping

COURSES	PO1. Assume responsibility and accountability to provide competent care to critically ill patients and appropriate family care in tertiary care centers	PO2. Demonstrate clinical competence / expertise in providing critical care which includes diagnostic reasoning, complex monitoring and therapies	PO3. Apply theoretical, pathophysiological and pharmacological principles and evidence base in implementing therapies / interventions in critical care	PO4. Identify the critical conditions using differential diagnosis and carry out treatment/interventions to stabilize and restore patient's health and minimize or manage complications independently or collaboratively as a part of critical care team	PO5. Assess and participate in treating patients with critical illnesses to stabilize and restore patient's health and minimize or manage complications independently or collaboratively as a part of critical care team	PO6. Collaborate with other health care professionals in the critical care team, across the continuum of critical care
I YEAR						
Theoretical Basis for Advanced Practice Nursing	M	M	A	A	M	M
Research Application and Evidence Based Practice in Critical Care	M	M	A	A	M	M
Advanced skills in Leadership, management and Teaching	M	M	A	A	M	M
Advanced Pathophysiology & Pharmacology Applied to Critical care	M	M	A	A	M	M
Advanced Pathophysiology & Pharmacology Applied to Critical care	M	M	A	A	M	M

Advanced Health & Physical Assessment in Critical Care Nursing	M	M	A	A	M	M
II YEAR						
Foundations of Critical Care Nursing Practice	M	M	M	M	M	M
Critical Care Nursing I	M	M	M	M	M	M
Critical Care Nursing II	M	M	M	M	M	M

KEY A-Apply M-Mastery