

**BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY)
COLLEGE OF NURSING**

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 specialty 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