

## **M.Sc. NURSING DEGREE COURSE**

### **Programme outcome**

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

1. Utilize/apply the concepts, theories and principles of nursing science.
2. Demonstrate advance competence in practice of nursing.
3. Practice as a nurse specialist.
4. Demonstrate leadership qualities and function effectively as nurse educator and manager.
5. Demonstrate skill in conducting nursing research, interpreting and utilizing the findings from health related research.
6. Demonstrate the ability to plan and effect change in nursing practice and in the health care delivery system.
7. Establish collaborative relationship with members of other disciplines.
8. Demonstrate interest in continued learning for personal and professional advancement.

### **Course outcomes M. Sc. Nursing First Year**

#### **Nursing Education**

1. Explain the aims of education, philosophies, trends in education and health: its impact on nursing education.
2. Describe the teaching learning process.
3. Prepare and utilize various instructional media and methods in teaching learning process.
4. Demonstrate competency in teaching, using various instructional strategies.
5. Critically analyze the existing nursing educational programs, their problems, issues and future trends.
6. Describe the process of curriculum development, and the need and methodology of curriculum change, innovation and integration.
7. Plan and conduct continuing nursing education programs.
8. Critically analyze the existing teacher preparation programs in nursing.
9. Demonstrate skill in guidance and counseling.
10. Describe the problems and issues related to administration of nursing curriculum including selection and organization of clinical experience.
11. Explain the development of standards and accreditation process in nursing education programs.
12. Identify research priorities in nursing education.
13. Discuss various models of collaboration in nursing education and services.
14. Explain the concept, principles, steps, tools and techniques of evaluation.
15. Construct, administer and evaluate various tools for assessment of knowledge, skill and attitude

#### **Advanced Nursing Practice**

1. Appreciate and analyze the development of nursing as a profession.
2. Describe ethical, legal, political and economic aspects of health care delivery and nursing practice.
3. Explain bio-psycho-social dynamics of health, life style and health care delivery system.
4. Discuss concepts, principles, theories, models, approaches relevant to nursing and their application.
5. Describe scope of nursing practice.
6. Provide holistic and competent nursing care following nursing process approach.
7. Identify latest trends in nursing and the basis of advance nursing practice.
8. Perform extended and expanded role of nurse.
9. Describe alternative modalities of nursing care.
10. Describe the concept of quality control in nursing.
11. Identify the scope of nursing research.
12. Use computer in patient care delivery system and nursing practice.
13. Appreciate importance of self development and professional advancement.

### **CLINICAL SPECIALITY –**

#### **Medical Surgical Nursing-I**

1. Appreciate the trends & issues in the field of medical surgical nursing as a specialty.
2. Apply concepts & theories related to health promotion.
3. Appreciate the client as a holistic individual.
4. Perform physical, psychosocial assessment of medical surgical patients.
5. Apply nursing process in providing care to patients.

6. Integrate the concept of family centered nursing care with associated disorders such as genetic, congenital and long term illness.
7. Recognize and manage emergencies with medical surgical patients.
8. Describe various recent technologies & treatment modalities in the management of critically ill patients.
9. Appreciate the legal & ethical issues relevant to medical surgical nursing.
10. Prepare a design for layout and management of medical surgical units.
11. Appreciate the role of alternative system of medicine in care of patients.
12. Incorporate evidence based nursing practice and identify the areas of research in the field of medical surgical nursing.
13. Recognize the role of nurse practitioner as a member of medical surgical health team.
14. Teach medical surgical nursing to undergraduate nursing students and in-service nurses

### **Obstetrics and Gynecology Nursing**

1. Appreciate the trends in the field of midwifery, obstetrics and gynecology as a specialty.
2. Describe the population dynamics and indicators of maternal and child health.
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
4. Provide comprehensive nursing care to women during reproductive period and newborns.
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetrics and gynecology nursing
6. Identify and analyze the deviations from normal birth process and refer appropriately.
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse.
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation.
9. Describe the role of various types of complementary and alternative therapies in obstetrics and gynecology nursing
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetrics and gynecology nursing
11. Describe the recent advancement in contraceptive technology and birth control measures
12. Appreciate the legal and ethical issues pertaining to obstetrics and gynecology nursing.

### **Child Health (Pediatric) Nursing -I**

1. Appreciate the history and developments in the field of pediatrics and pediatric nursing as a specialty.
2. Apply the concepts of growth and development in providing care to the pediatric clients and their families.
3. Appreciate the child as a holistic individual.
4. Perform physical, developmental, and nutritional assessment of pediatric clients.
5. Apply nursing process in providing nursing care to neonates & children.
6. Integrate the concept of family centered pediatric nursing care with related areas such as genetic disorders, congenital malformations and long term illness.
7. Recognize and manage emergencies in neonates.
8. Describe various recent technologies and treatment modalities in the management of high risk neonates.
9. Appreciate the legal and ethical issues pertaining to pediatric and neonatal nursing.
10. Prepare a design for layout and management of neonatal units.
11. Incorporate evidence based nursing practice and identify the areas of research in the field of pediatric / neonatal nursing.
12. Recognize the role of pediatric nurse practitioner and as a member of the pediatric and neonatal health team.
13. Teach pediatric nursing to undergraduate students & in-service nurses.

### **Mental Health (Psychiatric) Nursing-I**

1. Appreciate the trends and issues in the field of psychiatry and psychiatric nursing
2. Explain the dynamics of personality development and human behaviour
3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
4. Demonstrate therapeutic communication skills in all interactions
5. Demonstrate the role psychiatric nurse practitioner in various therapeutic modalities
6. Establish and maintain therapeutic relationship with individual and groups
7. Use assertive techniques in personal and professional actions
8. Promote self-esteem of clients, others and self

9. Apply the nursing process approach in caring for patients with mental disorders
10. O10. Describe the psychopharmacological agents, their effects and nurses role
11. Recognize the role of psychiatric nurse practitioner and as a member of the psychiatric and mental health team
12. Describe various types of alternative system of medicines used in psychiatric settings
13. Incorporate evidence based nursing practice and identify the areas of research in the field of psychiatric nursing

### **Community Health Nursing-I**

1. Appreciate the history and development in the field of community Health and community Health nursing.
2. Appreciate role of individuals and families in promoting health of the community.
3. Perform physical, developmental and nutritional assessment of individuals, families and groups. Apply the concepts of promotive, preventive, curative and rehabilitative aspect of the health while providing care to the people.
4. Apply nursing process approach while providing care to individuals, families, groups and community.
5. Integrate the concepts of family centered nursing approach while providing care to the community. Recognize and participate in the management of emergencies, epidemics and disasters.
6. Apply recent technologies and care modalities while delivering community health nursing care. Appreciate legal and ethical issues pertaining to community health nursing care.
7. Conduct community health nursing care project.
8. Participate in planning, implementation and evaluation of various national health and family welfare programmes at local, state and the national level.
9. Incorporate evidence based nursing practice and identify the areas of research in the community settings.
10. Participate effectively as a member of Community Health team.
11. Coordinate and collaborate with various agencies operating in the community by using inter sectoral approach.
12. Teach community health nursing to undergraduates, in- service nurse and the community health workers.
13. Demonstrate leadership and managerial abilities in community health nursing practice.

### **Nursing Research and Statistics**

1. Define basic research terms and concepts.
2. Review literature utilizing various sources.
3. Describe research methodology.
4. Develop a research proposal.
5. Conduct of a research study.
6. Communicate research findings.
7. Utilize research findings.
8. Critically evaluate nursing research studies.
9. Write scientific papers for publication
10. Explain the basic concepts related to statistics
11. Describe the scope of statistics in health and nursing
12. Organize, tabulate and present data meaningfully
13. Use descriptive and inferential statistics to predict results
14. Draw conclusions of the study and predict statistical significance of the results
15. Describe vital health statistics and their use in health related research
16. Use statistical packages for data analysis

## **SECOND YEAR**

### **Nursing Management**

1. Describe the philosophy and objectives of the healthcare institutions at various levels.
2. Identify trends and issues in nursing.
3. Discuss the public administration, healthcare administration vis a vis nursing administration.
4. Describe the principles of administration applied to nursing.
5. Explain the organization of health and nursing services at the various levels/institutions.
6. Collaborate and co-ordinate with various agencies by using multi-sectoral approach.
7. Discuss the planning, supervision and management of nursing workforce of various healthcare settings.
8. Discuss various collaborative models between nursing education and nursing service to improve the quality of nursing care.
9. Identify and analyze legal and ethical issues in nursing administration.

10. Describe the process of quality assurance in nursing services.
11. Demonstrate leadership in nursing at various levels.

## **CLINICAL SPECIALITY – II**

### **Community Health Nursing-II**

1. Appreciate trends and issues related to community health nursing- reproductive and child health, school health, occupational health, international health, rehabilitation, geriatric and mental health
2. Apply epidemiological concepts and principles in community health nursing practice
3. Perform community health assessment and plan health programme
4. Describe the various components of reproductive and child health programme
5. Demonstrate leadership abilities in organizing community health nursing services by using inter -sectoral approach
6. Describe the role and responsibilities of community health nurse in various National Health and Family Welfare Programmes
7. Participate in the implementation of various national health and welfare programme
8. Demonstrate competencies in providing family centered nursing care independently
9. Participate/conduct research for new insights and innovative solutions to health problems
10. Teach and supervise nurses and allied health workers
11. Design a layout of sub center /Primary health center/ Community health centre and develop standards for community health nursing practice

## **MEDICAL SURGICAL NURSING -II**

### **Cardiovascular and Thoracic Nursing**

1. Appreciate trends and issues related to cardiovascular and thoracic nursing.
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of cardiovascular and thoracic conditions.
3. Participate in national health programs for health promotion, prevention and rehabilitation of patients with cardiovascular and thoracic conditions.
4. Perform physical, psychosocial & spiritual assessment
5. Assist in various diagnostic, therapeutic and surgical procedures
6. Apply nursing process in providing comprehensive care to patients with cardiovascular and thoracic conditions.
7. Demonstrate advanced skills/competence in managing patients with cardiovascular and thoracic conditions including advanced cardiac life support.
8. Describe the various drugs used in cardiovascular and thoracic conditions and nurses responsibility Demonstrate skill in handling various equipments/gadgets used for critical care of cardiovascular and thoracic patients
9. Appreciate team work & coordinate activities related to patient care.
10. Practice infection control measures
11. Identify emergencies and complications & take appropriate measures
12. Discuss the legal and ethical issues in cardiovascular and thoracic nursing.
13. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs. Appreciate the role of alternative system of medicine in care of patient
14. Incorporate evidence based nursing practice and identify the areas of research in the field of cardiovascular and thoracic nursing
15. Identify the sources of stress and manage burnout syndrome among healthcare providers.
16. Teach and supervise nurses and allied health workers.
17. Design a layout of ICCU and ICTU and develop standards for cardiovascular and thoracic nursing practice.

### **Medical Surgical Nursing II– Critical Care Nursing**

1. Appreciate trends and issues related to Critical Care Nursing
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of critically ill patients.
3. Describe the various drugs used in critical care and nurses' responsibility.
4. Perform physical, psychosocial & spiritual assessment
5. Demonstrate advanced skills/competence in managing critically ill patients including advanced cardiac life support
6. Demonstrate skill in handling various equipment/gadgets used for critical care
7. Provide comprehensive care to critically ill patients
8. Appreciate team work & coordinate activities related to patient care
9. Practice infection control measures.

10. Assess and manage the pain.
11. Identify complications & take appropriate measures
12. Discuss the legal and ethical issues in critical care nursing
13. Assist patients and their family to cope with emotional and spiritual distress, grief and anxiety Assist in various diagnostic, therapeutic and surgical procedures
14. Incorporate evidence based nursing practice and identify the areas of research in the field of critical care nursing
15. Identify the sources of stress and manage burnout syndrome among healthcare providers.
16. Teach and supervise nurses and allied health workers
17. Design a layout of ICU and develop standards for critical care nursing practice.

### **Medical Surgical Nursing –Oncology Nursing -II**

1. Explain the prevention, screening and early detection of cancer
2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of oncological disorders of various body systems
3. Describe the psychosocial effects of cancer on patients and families
4. Demonstrate skill in administering/assisting various treatment modalities used for patients with cancer
5. Apply nursing process in providing holistic care to patients with cancer.
6. Apply specific concepts of pain management
7. Appreciate the care of death and dying patients and value of bereavement support
8. Describe the philosophy, concept and various dimensions of palliative care
9. Appreciate the role of alternative systems of medicine in care of patients with cancer
10. Appreciate the legal & ethical issues relevant to oncology nursing
11. Recognize and manage oncological emergencies
12. Counsel the patients with cancer and their families
13. Incorporate evidence based nursing practice and identify the areas of research in the field of oncology nursing
14. Recognize the role of oncology nurse practitioner as a member of the oncology team
15. Collaborate with other agencies and utilize resources in caring for cancer patients.
16. Teach and supervise nurses and allied health workers
17. Design a layout and develop standards for management of oncology units/hospitals and nursing care.

### **Medical Surgical Nursing II– Neurosciences Nursing**

1. Appreciate trends and issues related to neurology and neurosurgical nursing
2. Review the anatomy and physiology of nervous system
3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of patients with neurological and neurosurgical disorders
4. Perform neurological assessment and assist in diagnostic procedures
5. Describe the concepts and principles of neurosciences nursing
6. Describe the various drugs used in neurosciences and nurses responsibility.
7. Assist in various therapeutic and surgical procedures in neuroscience nursing
8. Demonstrate advanced skills/competence in managing patients with neurological and neurosurgical disorder following nursing process approach
9. Identify psychosocial problems of patients with disabilities and assist patients and their family to cope with emotional and spiritual distress, grief and anxiety
10. Participate in preventive, promotive and rehabilitative services for neurological and neurosurgical patients.
11. Explain the legal and ethical issues related to brain death, organ transplantation and practice of neuroscience nursing
12. Incorporate evidence based nursing practice and identify the areas of research in the field of neuroscience nursing
13. Organize and contact in-service education program for nursing personnel
14. Develop standards of care for quality assurance in neuroscience nursing practice
15. Identify the sources of stress and manage burnout syndrome among healthcare providers
16. Teach and supervise nurses and allied health workers
17. Plan and develop physical layout of neuro intensive care unit

### **Medical Surgical Nursing II – Nephro-Urology Nursing**

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

2. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of nephro and urological conditions
3. Perform physical, psychosocial & spiritual assessment
4. Assist in various diagnostic, therapeutic and surgical interventions
5. Provide comprehensive care to patients with nephro and urological conditions
6. Describe the various drugs used in nephro and urological conditions and nurses responsibility. Demonstrate skill in handling various equipment/gadgets used for patients with nephro and urological conditions
7. Appreciate team work & coordinate activities related to patient care
8. Practice infection control measures
9. Identify emergencies and complications & take appropriate measures
10. Assist patients and their family to cope with emotional distress, grief, anxiety and spiritual needs
11. Discuss the legal and ethical issues in nephro and urological nursing
12. Identify the sources of stress and manage burnout syndrome among healthcare providers
13. Appreciate the role of alternative system of medicine in the care of patient
14. Incorporate evidence based nursing practice and identify the areas of research in the field of nephro and urological nursing
15. Teach and supervise nurses and allied health workers
16. Design a layout of kidney transplant unit care, dialysis unit
17. Develop standards of nephro urological nursing practice

### **Medical Surgical Nursing II– Gastroenterology Nursing**

1. Appreciate trends and issues related to gastroenterology nursing C
2. O2.
3. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of gastrointestinal conditions
4. Participate in national health programs for health promotion, prevention and rehabilitation of patients with gastrointestinal conditions
5. Perform physical, psychosocial & spiritual assessment
6. Assist in various diagnostic, therapeutic and surgical procedures
7. Provide comprehensive care to patients with gastrointestinal conditions
8. Describe the various drugs used in gastrointestinal conditions and nurses responsibility.
9. Demonstrate skill in handling various equipments/gadgets used for patients with gastrointestinal conditions
10. Appreciate team work & coordinate activities related to patient care
11. Practice infection control measures
12. Identify emergencies and complications & take appropriate measures
13. Assist patients and their family to cope with emotional distress, grief and anxiety and spiritual needs
14. Discuss the legal and ethical issues in GE nursing
15. Identify the sources of stress and manage burnout syndrome among healthcare providers
16. Appreciate the role of alternative system of medicine in the care of patient with GI disorders Incorporate evidence based nursing practice and identify the areas of research in the field of gastrointestinal nursing
17. Teach and supervise nurses and allied health workers
18. Design a layout of Gastroenterology intensive care unit (GEICU), liver care/transplant unit.

### **Obstetrics and Gynaecology Nursing-II**

1. Describe the epidemiology, etiology, pathophysiology and diagnostic assessment of women with obstetric and gynaecological conditions.
2. Perform physical, psychosocial, cultural and spiritual assessment.
3. Demonstrate competence in caring for women with obstetrical and gynaecological conditions
4. Demonstrate competence in caring for high risk newborn
5. Identify and manage obstetrical and neonatal emergencies as per protocol.
6. Practice infection control measures.
7. Utilize recent technology and various diagnostic, therapeutic modalities in the management of obstetrical, gynecological and neonatal care
8. Demonstrate skill in handling various equipment /gadgets used for obstetrical, gynaecological and neonatal care
9. Teach and supervise nurses and allied health workers
10. Design a layout of specialty units of obstetrics and gynecology
11. Develop standards for obstetrical and gynaecological nursing practice

12. Counsel women and families
13. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetrical and gynaecology nursing
14. Function as independent midwifery nurse practitioner

#### **Pediatric (Child Health) Nursing -II**

1. Apply the nursing process in the care of ill infants to pre adolescents in hospital and community
2. Demonstrate advanced skills/competence in nursing management of children with medical and surgical problems
3. Recognize and manage emergencies in children
4. Provide nursing care to critically ill children
5. Utilize the recent technology and various treatment modalities in the management of high risk children
6. Prepare a design for layout and describe standards for management of pediatric units/hospitals
7. Identify areas of research in the field of pediatric nursing

#### **Psychiatric (Mental Health) Nursing-II**

1. Apply the nursing process in the care of patients with mental disorders in hospital and community
2. Demonstrate advanced skills/competence in nursing management of patients with mental disorders
3. Identify and care for special groups like children, adolescents, women, elderly, abused and neglected people living with HIV/AIDS
4. Identify and manage psychiatric emergencies
5. Provide nursing care to critically ill patients with mental disorders
6. Utilize the recent technology and various treatment modalities in the management of patients with mental disorders
7. Demonstrate skills in carrying out crisis intervention
8. Appreciate the legal and ethical issues pertaining to psychiatric nursing
9. Identify areas of research in the field of psychiatric nursing
10. Prepare a design for layout and describe standards for management of psychiatric units/emergency units/hospitals
11. Teach psychiatric nursing to undergraduate students & in-service nurses

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