



**M.O.S.C. COLLEGE OF NURSING, KOLENCHERY**  
Affiliated to Kerala University of Health Sciences, Thrissur,  
Recognized by Kerala Nurses and Midwives Council, Thiruvananthapuram and  
Indian Nursing Council, New Delhi  
**MALANKARA ORTHODOX SYRIAN CHURCH MEDICAL MISSION**  
**KOLENCHERY-682 311, ERNAKULAM**

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**EXPECTED OUTCOME-B.SC NURSING**

**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 organ
- 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

## **B. Sc. NURSING 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

## **B. Sc. NURSING 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

## **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

## **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

## **B.SC NURSING FOURTH YEAR**

### **OBSTETRICS AND GYNAECOLOGICAL 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

### **OBSTETRICS AND GYNAECOLOGICAL 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