

**Relevant Documents Pertaining to Learning Outcome and Graduates
Attributes**

PROGRAM: B.SC. NURSING

1. Nursing is based on values of caring, and aims to help individuals to attain independence in self-care.
2. It necessitates development of compassion and understanding of human behavior among its practitioners to provide care with respect and dignity and protect the rights of individuals and groups.
3. Undergraduate nursing program is broad based education within an academic framework, specifically directed to the development of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.
4. The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven, self-directed learning and foster an attitude of lifelong learning.
5. Undergraduate nursing education program prepares its graduates to become exemplary citizen by adhering to always code of ethics and professional conduct in fulfilling personal, social and professional obligations so as to respond to national aspirations.

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PROGRAM SPECIFIC OBJECTIVES OF B.SC. NURSING:



SUBJECT: ENGLISH

OBJECTIVES: At the end of the course, students will be able to:

- ✓ Speak & write
- ✓ Grammatically correct English.
- ✓ Develop ability to read, understand and express meaningfully, the prescribed text.
- ✓ Develop writing skills Develop skill in spoken English.
- ✓ Developing skills in listening comprehension

SUBJECT: ANATOMY

- ✓ Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands.
- ✓ Describe the structure and function of bones and joints
- ✓ Describe the structure and function of muscles
- ✓ Describe the structure and function of nervous system
- ✓ Explain the structure and functions of sensory organs Describe the structure and functions of respiratory system
- ✓ Describe the structure and functions of digestive systems
- ✓ Describe the structure and functions of excretory system Describe the structure and functions of endocrine system
- ✓ Describe the structure and functions of reproductive system.

SUBJECT: PHYSIOLOGY

- ✓ Describe the physiology of cell, tissues, membranes, and glands.
- ✓ Describe the bone formation and growth and movements of skeleton system.
- ✓ Describe the muscle movements and tone and demonstrate muscle contraction and tone.
- ✓ Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves.
- ✓ Demonstrate reflex action and stimulus.
- ✓ Describe the physiology blood and functions of Heart.
- ✓ Demonstrate blood cell count, coagulation, grouping, Hb, BP and Pulse monitoring.
- ✓ Describe the physiology and mechanisms of respiration.
- ✓ Demonstrates spirometry.
- ✓ Describes the physiology of digestive system.
- ✓ Demonstrates BMR.
- ✓ Describe the physiology of Excretory system.

A handwritten signature in blue ink, appearing to read "S. K. Kumbhar".

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- ✓ Describe the physiology of sensory organs.
- ✓ Describe the physiology of endocrine glands.
- ✓ Describe the physiology of male and female reproductive System.
- ✓ Describe the physiology of Lymphatic and Immunological System.



SUBJECT: NUTRITION

- ✓ Describe the relationship between nutrition and Health.
- ✓ Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats.
- ✓ Describe the daily calorie requirement for different categories of people
- ✓ Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins
- ✓ Describe the sources, functions and requirements of Water and electrolytes
- ✓ Describe the Cookery rules and preservation of nutrients
- ✓ Prepare and serve simple beverages and different types of foods.
- ✓ Describe and plan balanced diet for different categories of people
- ✓ Describe various national programmes related to nutrition
- ✓ Describe the role of nurse in assessment of nutritional status and nutrition education.

SUBJECT: BIOCHEMISTRY

- ✓ Describe the structure Composition and functions of cell
- ✓ Differentiate between Prokaryote and Eukaryote cell
- ✓ Identify techniques of Microscopy
- ✓ Describe the Structure and functions of Cell membrane.
- ✓ Explain the metabolism of carbohydrates
- ✓ Explain the metabolism of Lipids
- ✓ Explain the metabolism of Amino acids and Proteins
- ✓ Describe types, composition and utilization of Vitamins & minerals Describe Immune-chemistry.

SUBJECT: PSYCHOLOGY

- ✓ Describe the history, scope and methods of psychology
- ✓ Explain the biology of Human behavior
- ✓ Describe various cognitive processes and their applications
- ✓ Describe motivation, emotions, stress, attitudes and their influence on behavior
- ✓ Explain the concepts of personality and its influence on behavior
- ✓ Describe psychology of people during the life cycle
- ✓ Describe the characteristics of Mentally healthy Person.
- ✓ Explain ego defenses mechanisms.
- ✓ Explain the Psychological assessments and role of nurse.

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SUBJECT: MICROBIOLOGY

- ✓ Explain concepts and principles of microbiology and their Importance nursing
- ✓ Describe structure, classification morphology and growth of bacteria Identify Micro-organisms
- ✓ Describe the methods of infection control Identify the role of nurse in hospital infection Control programme.
- ✓ Describe the different disease producing organisms
- ✓ Explain the concept of immunity, hyper sensitivity and immunization.



SUBJECT: INTRODUCTION TO COMPUTERS

- ✓ Identify & define various concepts used in computer
- ✓ Identify application of computer in nursing Describe and Use the Disk Operating System
- ✓ Demonstrate skill in the use of MS Office.
- ✓ Demonstrate skill in using multi-media
- ✓ Identify features of computer aided teaching and testing
- ✓ Demonstrate use of internet and Email
- ✓ Describe and use the statistical packages
- ✓ Describe the use of Hospital Management System.

SUBJECT: NURSING FOUNDATIONS

- ✓ Describe the concept of health, illness and health care agencies
- ✓ Explain the concept and scope of nursing supplest.
- ✓ Describe values, code of ethics and professional conduct for nurses in India.
- ✓ Explain the admission and discharge procedure
- ✓ Performs admission and discharge procedure.
- ✓ Communicate effectively with patient, families and team member and maintain effective human
- ✓ Relations (projecting professional image)
- ✓ Appreciate the importance of patient teaching in nursing.
- ✓ Explain the concept, uses, format and steps of nursing process.
- ✓ Documents nursing process as per the format.
- ✓ Describe the purposes, types and techniques of recording and reporting.d
- ✓ Describe principles and techniques of monitoring and maintaining vital signs
- ✓ **Monitor** and maintain vital signs
- ✓ Describe purpose and process of health assessment
- ✓ Describe the health assessment each body system
- ✓ Perform health assessment of each body system
- ✓ Identifies the various machinery, equipment and linen and their care.
- ✓ Describe the basic, physiological and psychosocial needs of patients male X

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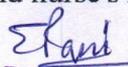
- ✓ Describe the principles and techniques for meeting basic, Physiological and psychosocial
- ✓ needs of patient Perform nursing assessment, plan, implement and evaluate the care for meeting basic,
- ✓ Physiological and psychosocial needs of patient.
- ✓ Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings.
- ✓ Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within measurements
- ✓ Administer drugs by the following routes oral, Intradermal, Subcutaneous Intramuscular, Intra Venous topical, inhalation.
- ✓ Administer drugs by the following, routes oral, Intra-dermal, Subcutaneous, Intramuscular, Intra Venous topical, inhalation.
- ✓ Describe the pre and post operative care of patients
- ✓ Explain the process of wound healing.
- ✓ Explain the principles and techniques of care
- ✓ Perform care of wounds bubus lances
- ✓ Explain care of patients having alterations in body functioning mintquit s
- ✓ Explain care of terminally ill patient
- ✓ Explain the basic concepts of conceptual and theoretical models of nursing.

SUBJECT: SOCIOLOGY

- ✓ State the importance of sociology in Nursing
- ✓ Describe the inter- relationship of individual in society and community
- ✓ Describe the influence of culture and on health and disease
- ✓ Describe the institutions of family and marriage in India.
- ✓ Describe the class and caste system and their influence on health and health practices.
- ✓ Describe the types of communities in India, their practices and the impact on health.
- ✓ Explain the process of Social Change th ✓ Explain the process of Social Change
- ✓ Explain the nature and process of social control
- ✓ Describe the role of the nurse in dealing with social problems in India

SUBJECT: PHARMACOLOGY

- ✓ Describe pharmaco- dynamics, pharmaco- kinetics, classification and the principles of drug Administration.
- ✓ Describe Antiseptics, disinfectants, insecticides, and nurse's responsibilities.
- ✓ Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities.


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- ✓ Describe Drugs used on Respiratory Systems and nurse's responsibilities
- ✓ Describe Drugs used on Urinary System and nurse's responsibilities
- ✓ Describe Drugs used in De-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immune suppression and nurse's responsibilities.
- ✓ Describe Drugs used on skin and mucous membranes and nurse's responsibilities.
- ✓ Describe Drugs used on Nervous System and nurses responsibilities.
- ✓ Describe drugs used for hormonal disorders and supplementation, contraception and medical-termination of pregnancy and nurse's responsibilities.
- ✓ Demonstrate awareness of the common drugs used in alternative system of medicine.

SUBJECT: PATHOLOGY AND GENETICS

SECTION: A PATHOLOGY

- ✓ Define the common terms used in pathology.
- ✓ Appreciate the deviations from normal to abnormal structure and functions of the body system.
- ✓ Explain Pathological changes in disease conditions of various systems
- ✓ Describe various laboratory tests in assessment and monitoring of disease conditions
- ✓ Describe the laboratory tests for examination of body cavity fluids, transudates and exudates.
- ✓ Describe the laboratory tests for examination of Urine and feces.

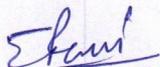
SECTION- B GENETICS

- ✓ Explain nature, principles and perspectives of heredity.
- ✓ Explain Maternal, prenatal and genetic influences on development of defects and diseases
- ✓ Explain the screening methods for genetic defects and diseases in neonates and children
- ✓ Identify genetic disorders in adolescents and adults.
- ✓ Describe the role of nurse in genetic services and counseling.

SUBJECT: MEDICAL SURGICAL NURSING

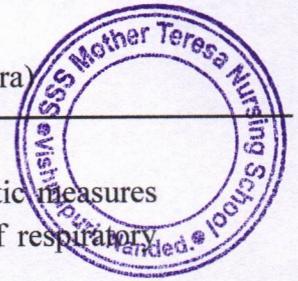
(ADULT INCLUDING GERIATRICS)-I

- ✓ Appreciate the trends in medical and surgical nursing.
- ✓ Describe the role of a nurse in caring for adult patient in hospital and community.
- ✓ Describe the concepts of Medical Surgical asepsis.
- ✓ Describe the common signs, symptoms, problems and their Specific nursing interventions Line


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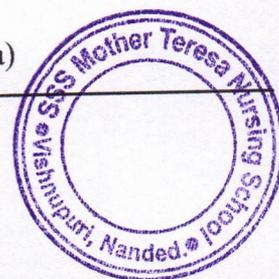
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- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems.
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems
- ✓ Describes 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 system.
- ✓ Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system.
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Skin
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and-management of patients (adults Including elderly) with disorders of Immunological system
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases.
- ✓ Describe the Organization and physical set up of operation theatre Identify the various instruments and equipment's used for used for common surgical procedures.
- ✓ Describe the etiology, pathophysiology, clinical manifestations, Diagnostic measures and nursing management of patients with disorders of female reproductive system.
- ✓ Describe concepts of reproductive health and family welfare programme
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery
- ✓ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology.
- ✓ Describe organization of emergency and disaster care services Describe the role of nurse in disaster management
- ✓ Describe the role of nurse in management of common Emergencies.
- ✓ Explain concept and problem of aging.

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- ✓ Describe nursing care of the elderly.
- ✓ Describe organization of critical care units
- ✓ Describe the role of nurse in management of patient's critical care units.
- ✓ Describe the etiology, pathophysiology, clinical manifestation, assessment diagnostic measures and management patient with occupational and industrial health disorders.

SUBJECT: CHILD HEALTH NURSING

- ✓ Explain the modern concept of child care & principles of child health nursing
- ✓ Describe national policy programs and legislation in relation to child health and welfare.
- ✓ List major causes of death during infancy, early & late childhood
- ✓ Describe the major functions and role of the pediatric nurse in caring for a hospitalized child.
- ✓ Describe the principles of child health nursing Describe the normal growth & development of children at different ages
- ✓ Identify the needs of children at different ages & provide parental guidance
- ✓ Identify the nutritional needs of children at different ages and ways of meeting the needs
- ✓ Appreciate the role of play for normal & sick children. Appreciate the preventive measures and strategies for children.
- ✓ Provide care to normal & high-risk neonates
- ✓ Describe the infection control measures in the Operation theatre
- ✓ Describe the role of the nurse in the Pen Operative nursing care.

SUBJECT: COMMUNITY HEALTH NURSING - I

- ✓ Describe concept and dimensions of health
- ✓ Describe determinants of health
- ✓ Describe concept, scope, uses methods and approaches of epidemiology
- ✓ Describe Epidemiology and nursing: management of common Communicable Diseases Identify the impact of population explosion in India
- ✓ Describe methods of population control

SUBJECT: COMMUNICATION & EDUCATIONAL TECHNOLOGY

- ✓ Describe the communication process, identify techniques of effective communication
- ✓ from Establish effective inter-personal relations with patients, families & co-workers.
- ✓ Develop effective human relations in context of nursing
- ✓ Develop basic skill of counseling and guidance Describe the philosophy & principles of Education
- ✓ Explain the teaching learning process

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- ✓ Demonstrate teaching skill using various teaching, methods in clinical, classroom and doing died community settings.
- ✓ Prepare and use different type of educational media effectively
- ✓ Teach individuals, groups and communities about health with their active participation

SUBJECT: MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS)

II

- ✓ Describe the etiology, patho- physiology, clinical manifestation s, diagnostic
- ✓ measures and management of patients with disorders of Ear Nose and Throat.
- ✓ Describe the Etiology, Pathophysiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.
- ✓ Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with neurological disorders.
- ✓ Describe the etiology, psycho- pathology, clinical manifestation, diagnostic criteria
- ✓ and management of patients with personality, Sexual and Eating disorders.
- ✓ Describe the etiology, psycho- pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency.
- ✓ Describe the etiology, psycho- pathology, clinical manifestations, diagnostic criteria
- ✓ and management of organic brain disorders.
- ✓ Identify psychiatric emergencies and carry out crisis intervention.
- ✓ Describe the model of preventive psychiatry
- ✓ Describes Community Mental health services and role of the nurse.

SUBJECT: MIDWIFERY AND OBSTETRICAL NURSING

- ✓ Recognize the trends and issues in midwifery and obstetrical nursing
- ✓ Describe the anatomy and physiology of female reproductive system.
- ✓ Describe the diagnosis and management of women during antenatal period.
- ✓ Describe the physiology and stages of labour.
- ✓ Describe the management of women during intra- natal period.
- ✓ Describe the assessment and management of normal neonate
- ✓ Describe the Identification and management of women with high-risk pregnancy
- ✓ Describe management of abnormal labour. And obstetrical emergencies.
- ✓ Describe management of post-natal complications.
- ✓ Identify the high-risk neonates and their nursing management.
- ✓ Describe indication, dosage, action, side effects and nurse's responsibilities in the administration of drugs used for mothers
- ✓ Appreciate the importance of family welfare programme
- ✓ Describe the methods of contraception and role of nurse in family welfare programme.

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SUBJECT: COMMUNITY HEALTH NURSING-II

- ✓ Define concepts, scope, principles, and historical development of Community
- ✓ Health and community health Nursing Describe health plans various health committees and health problems in India.
- ✓ Perform neonatal resuscitation.
- ✓ Recognize and manage common neonatal problems.
- ✓ Identify measures to prevent common childhood diseases including immunization
- ✓ Provide nursing care in common childhood diseases.
- ✓ Manage the child with behavioral social problems.
- ✓ Identify the social & welfare services for challenged children

SUBJECT: MENTAL HEALTH NURSING

- ✓ Describes the historical development & current trends in mental health nursing
- ✓ Describe the epidemiology of mental health problems
- ✓ Describe the National Mental Health Act, programmes and mental health policy
- ✓ Discusses the scope of mental health nursing
- ✓ Describe the concept of normal & abnormal behaviour.
- ✓ Defines the various terms used in mental health Nursing
- ✓ Explains the classification of mental disorders
- ✓ Explain psycho dynamics of maladaptive behavior
- ✓ Discuss the etiological factors, psychopathology of mental disorders
- ✓ Explain the Principles and standards of Mental health Nursing
- ✓ Describe the conceptual models of mental health nursing.
- ✓ Describe nature, purpose and process of assessment of mental health status
- ✓ Identify therapeutic communication techniques
- ✓ Describe therapeutic relationship Describe therapeutic impasse and its intervention.
- ✓ Explain treatment modalities and therapies used in mental disorders and role of the nurse. Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders
- ✓ Describe the etiology, psycho- pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders
- ✓ Describe the etiology, psycho- pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders.
- ✓ Explain the roles and functions of various national and international health agencies.

SUBJECT: NURSING RESEARCH AND STATISTICS

- ✓ Describe the concept of Research, terms, need and areas of research in nursing.
- ✓ Explain the steps of research process.

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- ✓ Identify and state the research problem and objectives
- ✓ Review the related literature.
- ✓ Describe the research approaches and designs
- ✓ Explain the sampling process
- ✓ Describe the methods of data collection.
- ✓ Analyze, Interpret and summarize the research data
- ✓ Explain the use of statistics, scales of measurement and graphical presentation of data
- ✓ Describe the measures of central tendency and variability and methods of correlation.
- ✓ Communicate and utilize the research findings.

SUBJECT: MANAGEMENT OF NURSING SERVICES AND EDUCATION

- ✓ Explain the principles and functions of management.
- ✓ Describe the Management of nursing services in the hospital and Community.
- ✓ Describe the elements and process of management
- ✓ Describe the concepts, theories and techniques of Organizational behaviour and human relations Participate in planning and organizing in service education program
- ✓ Describe the ethical and legal responsibilities of a professional nurse.
- ✓ Describe the etiology, psycho- pathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders.

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PROGRAMME OUTCOME OF BASIC B.SC. NURSING

On completion of the four-year B.Sc. Nursing program the graduates will be able to:

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

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