

PROGRAMME AND COURSE OUTCOME

Programme Name	Programme Outcomes	Course Name & Outcomes
<p>Basic Bachelor of Science in Nursing</p>	<ul style="list-style-type: none"> • PO1- Demonstrate competency in the skills and techniques of nursing based on concepts and principles. • PO2- Assess the health status, identify and prioritize the nursing needs, plan, implement and evaluate care of the patients in the hospital and community. • PO3- Assume leadership roles as first level managers in nursing services and nursing education. • PO4- Recognize the need for continued learning for personal and professional enhancement. • PO5- Update oneself with the 	<p align="center"><u>ENGLISH</u></p> <ul style="list-style-type: none"> • CO1- Speak and write grammatically correct English. • CO2- Develop ability to read, understand and express meaningfully, the prescribed text. • CO3- Develop skill in spoken English. • CO4- Develop skill in listening comprehension.
		<p align="center"><u>ANATOMY</u></p> <ul style="list-style-type: none"> • CO1- Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands. • CO2- Describe the structure and function of bones and joints. • CO3- Describes the structure and function of muscles. • CO4- Describes the structure and function of nervous system

	<p>latest technology, trends and issues in health care.</p> <ul style="list-style-type: none"> • PO6- Conduct need based research studies in the hospital / community and utilize the research findings to improve the quality of nursing care. • PO7- Practice within the framework of the code of ethics and professional conduct and ensure acceptable standards of practice. • PO8- Collaborate with the other members of the health care team in reaching realistic health goals. • PO9- Communicate effectively with the members of the health care team and develop good interpersonal skills for team work. 	<ul style="list-style-type: none"> • CO5- Explain the structure and functions of sensory organs. • CO6- Describes the structure and function of circulatory and lymphatic system. • CO7- Describes the structure and functions of respiratory system. • CO8- Describes the structure and functions of digestive system. • CO9- Describes the structure and functions excretory system • CO10- Describes the structure and functions of endocrine system • CO11- Describes the structure and functions of reproductive system • CO12- Search evidence based education of alterations in
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		disease
		<p style="text-align: center;"><u>PHYSIOLOGY</u></p> <ul style="list-style-type: none"> • CO1- Describe the physiology of cell, tissues, membranes and glands • CO2- Describe the bone formation and growth and movements of skeletal system • CO3- Describe the muscle movements and tone and demonstrate muscle contraction and tone • CO4- Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves • CO5- Demonstrate reflex action and stimulus • CO6- Describe the physiology of blood and functions of Heart • CO7- Demonstrate blood cell count, coagulation, grouping, Hb, BP and pulse monitoring • CO8-

Describe the physiology and mechanisms of respiration

- **CO9-**

Demonstrate spirometry

- **CO10-**

Describe the physiology of digestive system

- **CO11-**

Demonstrate BMR

- **CO12-**

Describe the physiology of Excretory system

- **CO13-**

Describe the physiology of sensory organs

- **CO14-**

Describe the physiology of endocrine glands

- **CO15-**

Describe the physiology of male and female reproductive systems

- **CO16-**

Describe the physiology of lymphatic and immunological system

- **CO17-**

Apply evidence based education in studying

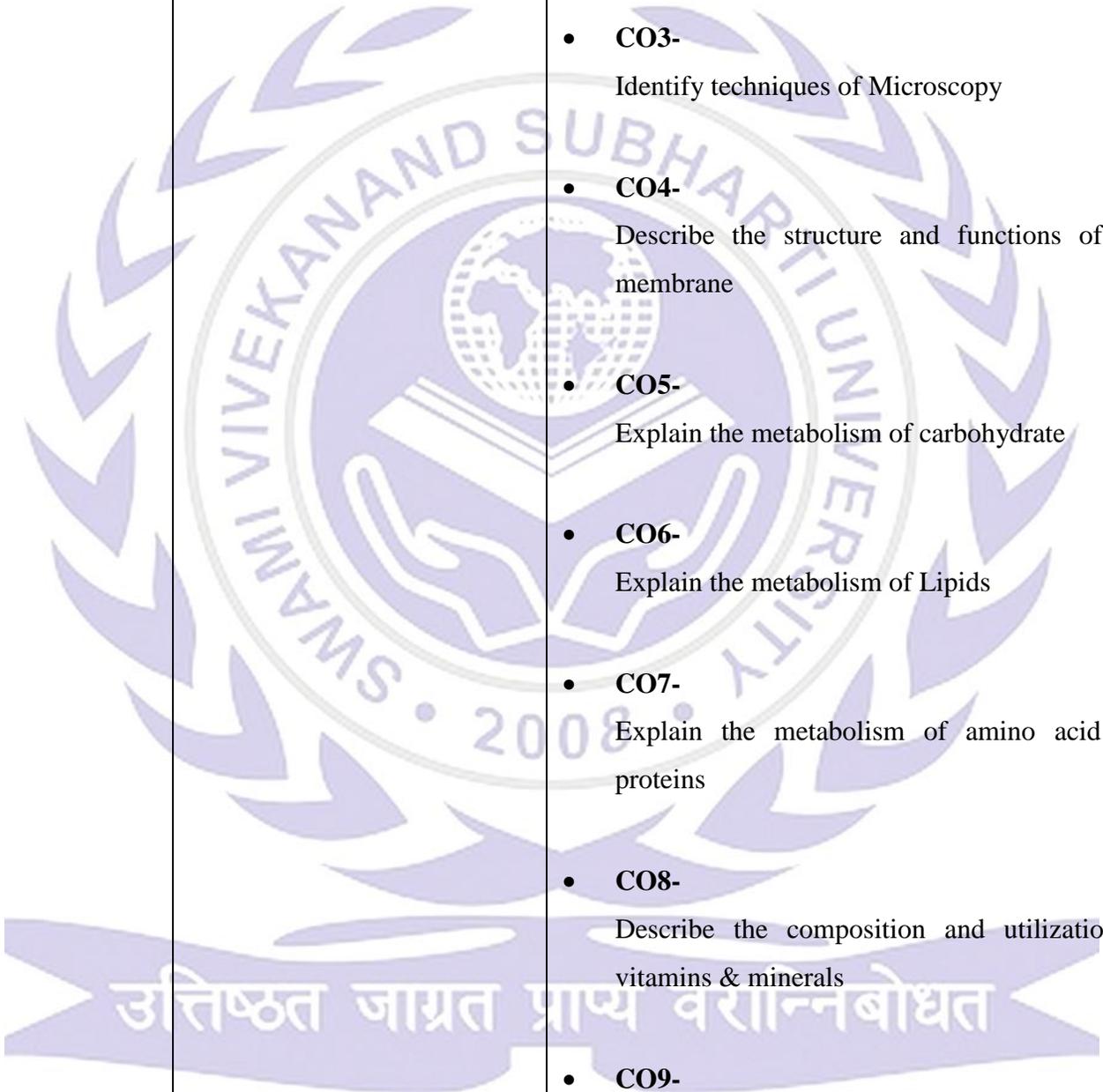
normal and abnormal physiological conditions

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.

		<ul style="list-style-type: none"> • 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 and prepare serve simple beverages and different types of food. • CO10- Describe and plan balanced diet for different categories of people • CO11- Describe various national programs related to nutrition • CO12- Describe the role of nurse in assessment of nutritional status and nutrition education using evidence based Nursing Practice
		<p style="text-align: center;"><u>BIOCHEMISTRY</u></p> <ul style="list-style-type: none"> • CO1- Describe the structure composition and functions of cell

		<ul style="list-style-type: none"> • C02- Differentiate between Prokaryote and eukaryote cell • C03- Identify techniques of Microscopy • C04- Describe the structure and functions of cell membrane • C05- Explain the metabolism of carbohydrate • C06- Explain the metabolism of Lipids • C07- Explain the metabolism of amino acid and proteins • C08- Describe the composition and utilization of vitamins & minerals • C09- Describe Immunochemistry
		<p style="text-align: center;"><u>NURSING FOUNDATION</u></p> <ul style="list-style-type: none"> • C01-



		<p>Describe the concept of health, illness and health care agencies</p> <ul style="list-style-type: none"> • 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-
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		<p>Documents nursing process as per the format</p> <ul style="list-style-type: none"> • 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 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 and linen and their care • CO17- Describe the basic, physiological and
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psychosocial needs of patient

- **CO18-**

Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychological needs of patient

- **CO19-**

Describe principles and techniques for infection control and biomedical waste management in supervised clinical settings

- **CO20-**

Explain the principles, routes, effects of administration of medications

- **CO21-**

Calculate conversions of drugs and dosages within and between systems of measurements

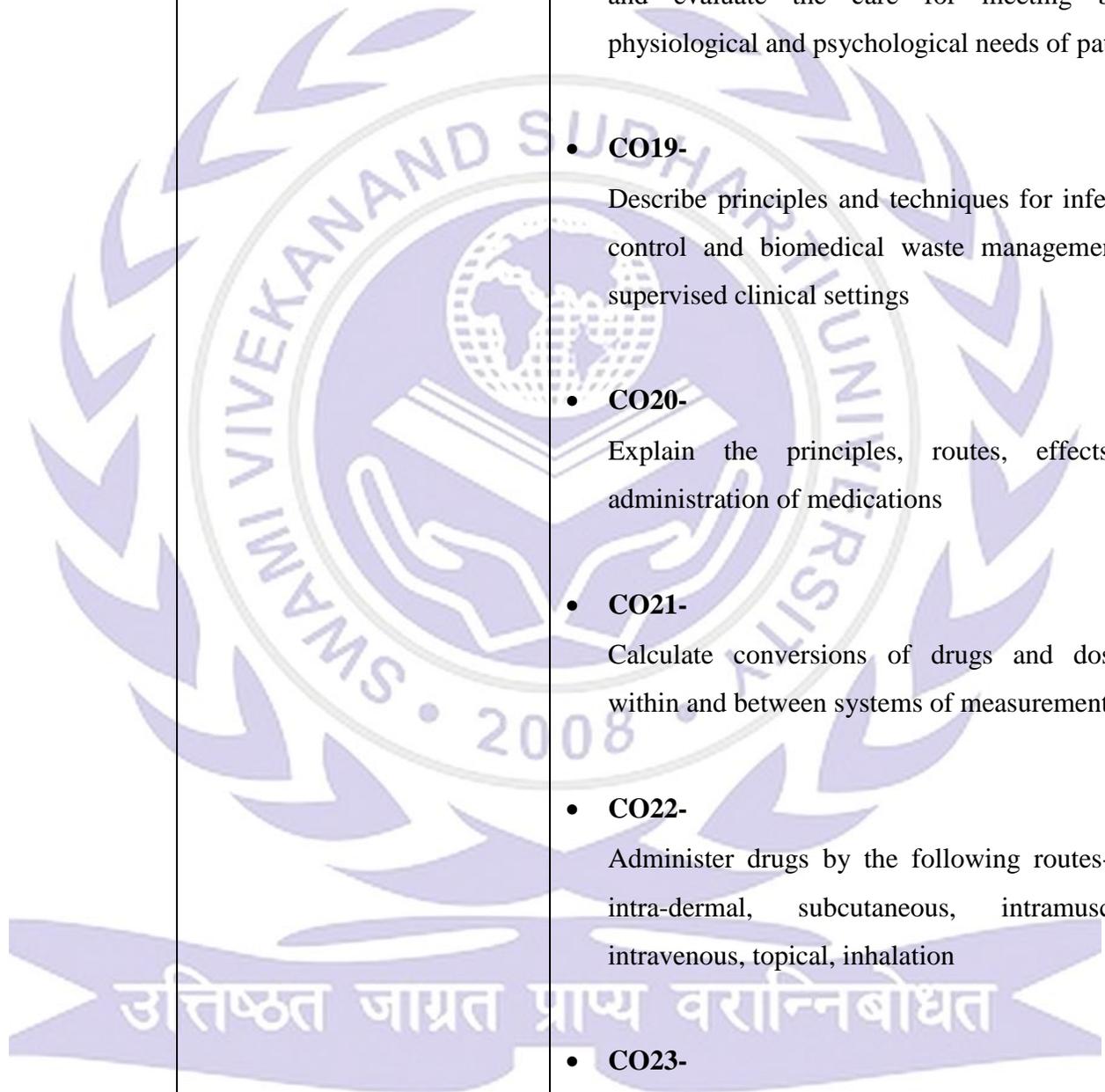
- **CO22-**

Administer drugs by the following routes-oral, intra-dermal, subcutaneous, intramuscular, intravenous, topical, inhalation

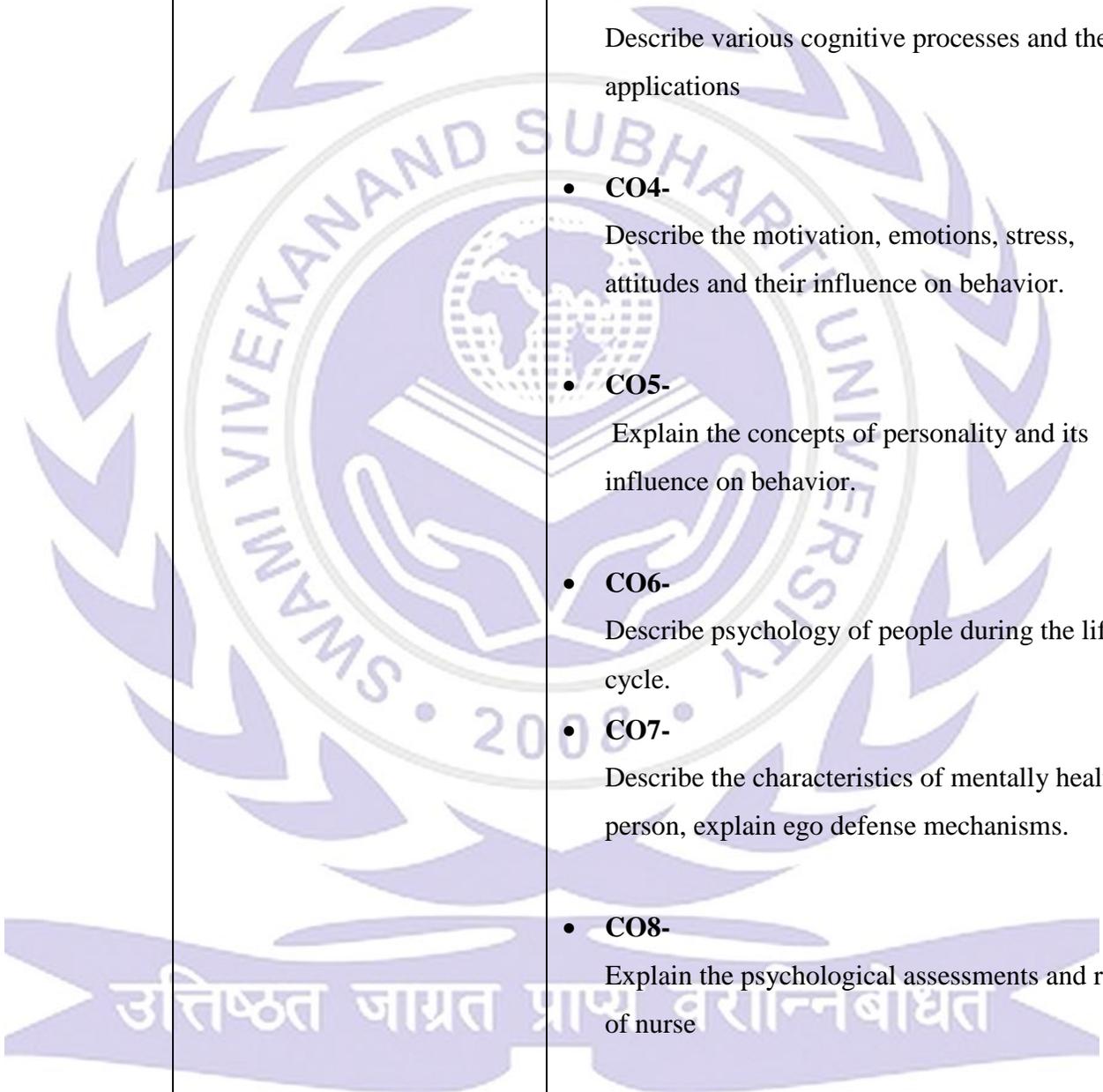
- **CO23-**

Describe the pre and post operative care of patients

- **CO24-**



		<p>Explain the process of wound healing</p> <ul style="list-style-type: none"> • CO25- Explain the principles and techniques of wound care • CO26- Perform care of wounds • CO27- Explain care of patients having alterations in body functioning • CO28- Explain care of terminally ill patient • CO29- Explain the basic concepts of conceptual and theoretical models of nursing • CO30- Incorporate evidence based teaching learning activities in nursing foundation to strengthen nursing practice of students for quality and cost effective nursing care.
		<p style="text-align: center;"><u>PSYCHOLOGY</u></p> <ul style="list-style-type: none"> • CO1- Describe the history, scope and methods of psychology.

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- **CO2-**
Explain the biology of human behavior.
 - **CO3-**
Describe various cognitive processes and their applications
 - **CO4-**
Describe the motivation, emotions, stress, attitudes and their influence on behavior.
 - **CO5-**
Explain the concepts of personality and its influence on behavior.
 - **CO6-**
Describe psychology of people during the life cycle.
 - **CO7-**
Describe the characteristics of mentally healthy person, explain ego defense mechanisms.
 - **CO8-**
Explain the psychological assessments and role of nurse
 - **CO9-**
Incorporate evidence based education in studying the psychology of an individual.

MICROBIOLOGY

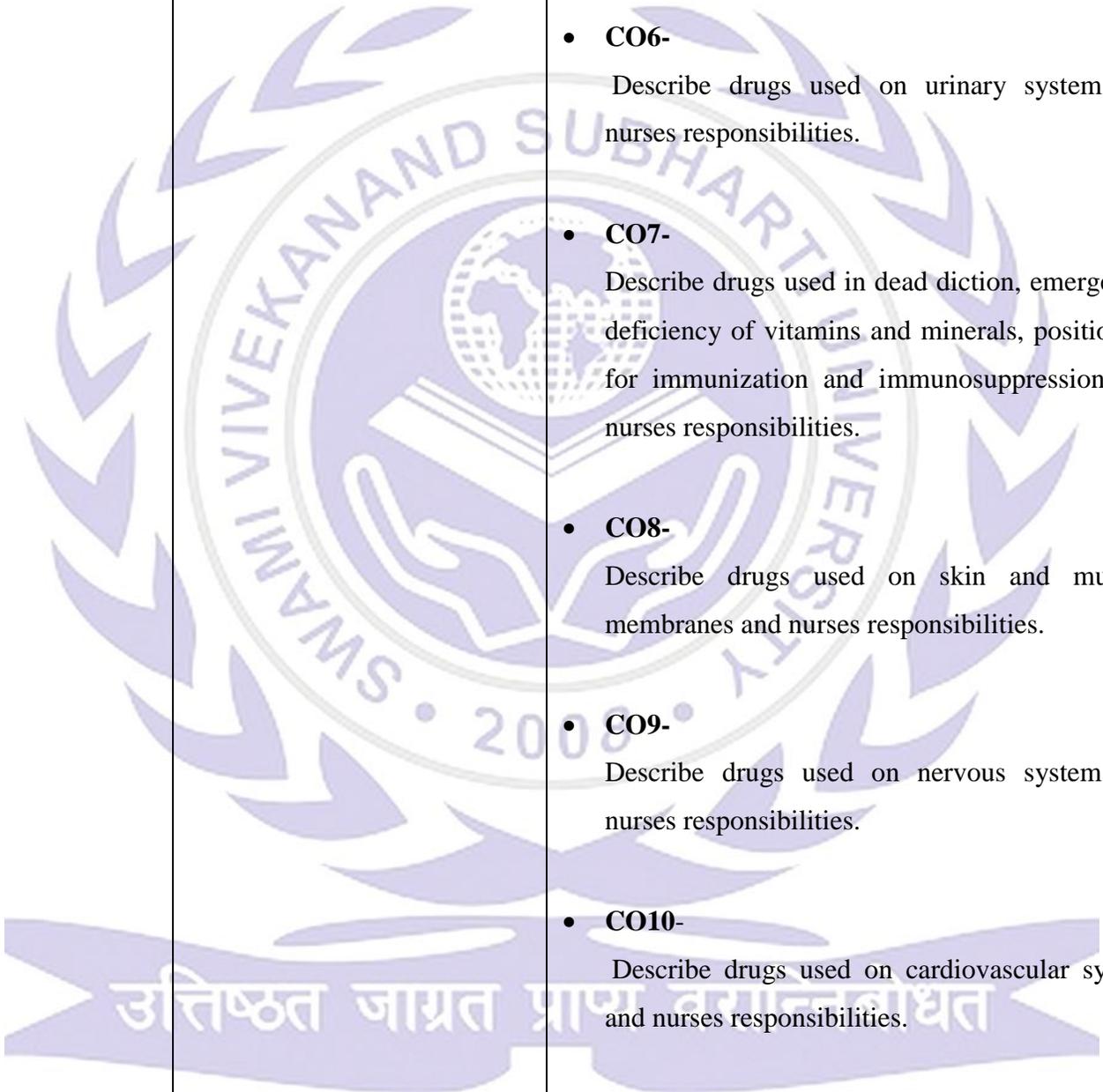
- **CO1-**
Explain concepts and principles of microbiology and their importance in nursing.
- **CO2-**
Describe structure, classification morphology and growth of bacteria, identify microorganisms.
- **CO3-**
Describe the methods of infection control, identify the role of nurse in hospital infection control programme
- **CO4-**
Describe the different disease producing organisms.
- **CO5-**
Explain the concept of immunity, hypersensitivity and immunization

SOCIOLOGY

- **CO1-**
State the importance of sociology Nursing
- **CO2-**
Describe the inter relationship of individual in society and community

		<ul style="list-style-type: none"> • CO3- Describe the influence of culture and on health and disease • CO4- Identify various social group and their interaction • 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 practice. • CO8- Describe the types of communities in India, their practices and impact on health. • CO9- Explain the process of social change • CO10- Describe the social system and inter-relationship of social organization.
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		<p style="text-align: center;"><u>PHARMACOLOGY</u></p> <ul style="list-style-type: none"> • CO1- Describe pharmacodynamics, pharmaco kinetics, classification and the principles of drug administration. • CO2- Explain chemotherapy of specific infections and infestations and nurses responsibilities. • CO3- Describe antiseptics, disinfectants, insecticides and nurses responsibilities. • CO4- Describe drugs acting on gastrointestinal system and nurses responsibilities.

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- **CO5-**
Describe drugs on respiratory system and nurses responsibilities.
 - **CO6-**
Describe drugs used on urinary system and nurses responsibilities.
 - **CO7-**
Describe drugs used in dead diction, emergency, deficiency of vitamins and minerals, positioning for immunization and immunosuppression and nurses responsibilities.
 - **CO8-**
Describe drugs used on skin and mucous membranes and nurses responsibilities.
 - **CO9-**
Describe drugs used on nervous system and nurses responsibilities.
 - **CO10-**
Describe drugs used on cardiovascular system and nurses responsibilities.
 - **CO11-**
Describe used on hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurses

		<p>responsibilities.</p> <ul style="list-style-type: none"> • CO12- Demonstrate awareness of the common drugs used in alternative system of medicine. • CO13- Incorporate evidence based teaching learning activities in pharmacology to strengthen nursing practice of students for quality and cost effectiveness of nursing care.
		<p style="text-align: center;"><u>PATHOLOGY</u></p> <ul style="list-style-type: none"> • 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 condition of various system. • CO4- Describe various laboratory tests in assessment and monitoring of disease condition. • CO5- Describe the laboratory tests for examination of

		<p>body cavity fluids, transudates and exudates.</p> <ul style="list-style-type: none"> • CO6- Describe the laboratory test for the examination of urine and faeces. • CO7- Incorporate evidence based teaching learning activities in pathology to strengthen nursing practice of students for quality and cost effectiveness of nursing care.
		<p style="text-align: center;"><u>GENETICS</u></p> <ul style="list-style-type: none"> • CO1- Explain nature principles and perspectives of heredity • CO2- Explain maternal, prenatal and genetic influences on development of defects and disease. • CO3- Explain the screening methods for genetic defects and diseases in neonates and children"s. • CO4- Identify genetic disorders in adolescents and adults.

		<ul style="list-style-type: none"> • CO5- Describe the role of nurse in genetic service and counseling. • CO6- Incorporate evidence based teaching learning activities in Genetics to strengthen nursing practice of students for quality and cost effectiveness of nursing care.
		<p style="text-align: center;"><u>MEDICAL SURGICAL NURSING-I</u></p> <ul style="list-style-type: none"> • CO1- Appreciate the trends in medical surgical nursing • CO2- Describe the role of nurse in caring for adult patient in hospital • CO3- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of respiratory systems. • CO4- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of digestive systems • CO5-

		<p>Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of cardio-vascular systems. Describe the vascular conditions and its nursing management.</p> <ul style="list-style-type: none"> • CO6- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of genitor-urinary systems. • CO7- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of reproductive systems. • CO8- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of endocrine systems. • CO9- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of skin. • CO10- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of musculo-skeletal systems.
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		<ul style="list-style-type: none"> • CO11- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of immunological system. • CO12- Describe the common signs, symptoms, problems and their specific nursing interventions with communicable diseases. • CO13- Describe the organization and physical set up of operation theatre. Identify the various instruments and equipments used for common surgical procedures. • CO14- Describe the infection control measures in the operation theatre. • CO15- Describe the role of the nurse in the pre operative nursing care. • CO16- Incorporate evidence based nursing education into practice.
		<p style="text-align: center;"><u>COMMUNITY HEALTH NURSING –I</u></p> <ul style="list-style-type: none"> • CO1-

		<p>Describe concept and dimensions of health.</p> <ul style="list-style-type: none"> • CO2- Describe determinants of health. • CO3- Describe concepts, 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; describe methods of data collection, analysis and interpretation of demographic data. • CO7- Identify the impact of population explosion in India; describe methods of population control.
	<p>उत्तिष्ठत जाग्रत प्राप्य वरान्निबोधत</p>	<p style="text-align: center;"><u>COMMUNICATION & EDUCATION</u> <u>TECHNOLOGY</u></p> <ul style="list-style-type: none"> • CO1- Describe the communication process, identify techniques of effective communication.

		<ul style="list-style-type: none"> • CO2- Establish effective inter- personal relations with patients, families and co- workers. • CO3- Develop effective human relations in context of nursing. • CO4- Develop basic skill of counseling and guidance. • CO5- Describe the philosophy and principles of education, explain the teaching learning process. • CO6- Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings. • CO7- Prepare and use different types of educational media effectively. • CO8- Prepare different types of questions for assessment of knowledge, skills and attitudes. • CO9- Teach individuals, groups and communities
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		<p>about health with their active participation.</p> <ul style="list-style-type: none"> • CO10- Incorporate evidence based nursing education in communication and education technology
		<p><u>MEDICAL SURGICAL NURSING II (ADULT INCLUDING GERIATRICS)</u></p> <ul style="list-style-type: none"> • CO1- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of ear, nose and throat. • CO2- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of eye. • CO3- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of neurological systems. • CO4- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of female reproductive system. • CO5- Describe the concepts of reproductive health and family welfare programme.

		<ul style="list-style-type: none">• CO6- Describe the common signs, symptoms, problems and their specific nursing interventions with disorders of oncological disorders.• CO7- Describe organization of emergency and disaster services.• CO8- Describe the role of nurse in disaster management.• CO9- Explain the concept and problems of aging.• CO10- Describe nursing care of the elderly.• CO11- Describe organization of critical care units.• CO12- Describe the role of nurse in managements of patients with critical care units.• CO13- Describe the common signs, symptoms, problems and their specific nursing interventions
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		<p>with industrial health disorders</p> <ul style="list-style-type: none"> • CO14- Developing evidence base education system into practice.
		<p style="text-align: center;"><u>CHILD HEALTH NURSING</u></p> <ul style="list-style-type: none"> • CO1- Explain the modern concept of child care and the 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 and late childhood. • CO4- Describe the major functions and role of the pediatric nurse in caring for hospitalized child. • CO5- Describe the principles of child health nursing. • CO6- Describe the normal growth and development of children in various age groups. Identify the needs of children at different age; identify the nutritional needs of children at different ages;

appreciate the role of play for normal and sick children; appreciate the preventive measures and strategies for children.

- **CO7-**

Provide care to normal and high risk neonates; perform neonatal resuscitation; recognize and manage common neonatal problems.

- **CO8-**

Understand the concept and application of IMNCI programme.

- **CO9-**

Provide nursing care in common childhood diseases; identify measures to prevent common childhood diseases including immunization

- **CO10-**

Manage the child with behavioral and social problems; identify the social and welfare services for challenged children.

- **CO11-**

Incorporate evidence based nursing education in pediatric nursing care.

- **CO12-**

Apply evidence based nursing education in pediatric nursing care.

MENTAL HEALTH NURSING

- **CO1-**
Describe the historical development and 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 and abnormal behavior
- **CO6-**
Defines the various terms used in mental health nursing
- **CO7-**
Explain the classification of mental disorders

		<ul style="list-style-type: none"> • CO8- Explain psychodynamics of maladaptive behavior • 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 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
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		<ul style="list-style-type: none"> • CO16- Explain treatment modalities and therapies used in mental disorders and role of 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-
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		<p>Describe the etiology, psychopathology, clinical manifestation, diagnostic criteria and management of patients with personality, sexual and eating disorders</p> <ul style="list-style-type: none"> • 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 manifestation, diagnostic criteria and management of organic brain disorders. • CO24- Identify psychiatric emergencies and carry out crisis intervention • CO25- Explain legal aspects applied in mental health setting and role of nurse • CO26- Describe the model of preventive psychiatry • CO27- Describe community mental health services and
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		<p>role of the nurse</p> <ul style="list-style-type: none"> • CO28- Incorporate evidence based teaching learning activities in mental health nursing to strengthen nursing practice of students for quality and cost effectiveness of nursing care.
		<p style="text-align: center;"><u>NURSING RESEARCH & STATISTICS</u></p> <ul style="list-style-type: none"> • CO1- Describe the concept research, terms, need and areas of research in nursing; explain the steps of research process. • CO2- Identify and state the research problem and objectives. • CO3- Review the related literature. • CO4- Describe the research approaches and designs. • CO5- Explain the sampling process; describe the methods of data collection. • CO6- Analyze, interpret and summarize the research data.

	<ul style="list-style-type: none"> • CO7- Explain the use of statistics, scales of measurement and graphical presentation of data; describes the measures of central tendency and variability and methods of correlation.
	<p style="text-align: center;"><u>COMMUNITY HEALTH NURSING II</u></p> <ul style="list-style-type: none"> • 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, list the functions of various levels and their staffing pattern, explain the components of health services, describe alternative systems of health promotion and health maintenance, and describe the chain of referral system. • CO4- Describe Community Health Nursing approaches and concepts; describe the roles and responsibilities of community health nursing personnel.

		<ul style="list-style-type: none"> • CO5- Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health. • CO6- Describe National Health and family welfare programmes and role of a nurse; describe the various health schemes in India. • CO7- Explain the roles and functions of various National and International health agencies.
		<p style="text-align: center;"><u>MANAGEMENT OF NURSING SERVICES AND EDUCATION</u></p> <ul style="list-style-type: none"> • 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 behavior and human relations.

		<ul style="list-style-type: none"> • 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; explain the nursing practice standards. • CO8- Explain the various opportunities for professional advancement.
		<p style="text-align: center;"><u>MIDWIFERY & OBSTETRICAL NURSING</u></p> <ul style="list-style-type: none"> • 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

		<ul style="list-style-type: none">• CO4- Demonstrate competence in caring for women with obstetrical and gynecological conditions • CO5- Describe the physiology and stages of labour • CO6- Describe the management of women during intra-natal period • CO7- Describe the physiology of Puerperium and 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-
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		<p>Describe management of postnatal complications</p> <ul style="list-style-type: none"> • 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 and describe the methods of contraception and role of nurse in family welfare program • CO15- Incorporate evidence based nursing practice in giving Quality nursing care in the field of obstetrics and gynecological Nursing. • CO16- Apply evidence based nursing practice in giving Quality nursing care in the field of obstetrics and gynecological Nursing.
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