



**Rayat Shikshan Sanstha's**  
**Savitribai Phule Mahila Mahavidyalaya, Satara**

**Course Outcomes (COs) –**

**After the studying of these courses students will be able to:**

<b>❖ B.Voc- Nursing Part-I</b>	
<b>▪ Business Communication- I &amp; II -</b>	
<b>CO1</b>	Communicate in English in Business Environment.
<b>CO2</b>	Develop formal writing.
<b>CO3</b>	Write a Letter of Application and CV/Resume.
<b>CO4</b>	Present Information/Data and face Interview successfully.
<b>CO5</b>	Participate in Group Discussion.
<b>CO6</b>	Correspond for business and Marketing and can negotiate in profession.
<b>▪ Psychology- I &amp; II</b>	
<b>CO1</b>	Explain the importance of psychology in personal and professional life.
<b>CO2</b>	Describe the biology of human behaviour.
<b>CO3</b>	Illustrate the cognitive and affective processes of human mind.
<b>CO4</b>	Apply psychological principles while performing nursing duties.
<b>CO5</b>	Identify the influence of personality of human behaviour.
<b>CO6</b>	Appreciate the developmental psychology.
<b>CO7</b>	Assess the significance of mental hygiene and mental health.
<b>CO8</b>	Explain the psychological assessments and tests.
<b>CO9</b>	Describe the psychological assessment of patients.
<b>CO10</b>	Explain the psychological assessments and role of nurse.

▪ **Anatomy and Physiology-I & II -**

<b>CO1</b>	Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands.
<b>CO2</b>	Describe the structure & function of bones and joints , muscles ,nervous system sensory organs and circulatory .
<b>CO3</b>	Describe the structure and function of respiratory, digestive, excretory and endocrine system.
<b>CO4</b>	Describe the physiology of cell, tissues, membranes, glands blood and functions of Heart.
<b>CO5</b>	Describe the bone formation and growth and movements of skeletal system.
<b>CO6</b>	Demonstrate blood cell count, coagulation, grouping, Hb, BP and pulse monitoring.
<b>CO7</b>	Describe the physiology and mechanisms of respiration.
<b>CO8</b>	Describe the physiology of digestive, endocrine glands and excretory system
<b>CO9</b>	Describe the Physiology of male and female reproductive system.

▪ **Biochemistry Nutrition and Dietetics- I & II -**

<b>CO1</b>	Describe the basic concept of Biochemistry.
<b>CO2</b>	Apply the knowledge of Nutrition and Protein in Nursing Practice
<b>CO3</b>	Describe the structure, composition and functions of cell
<b>CO4</b>	Calculates the quantity of dietary ingredient as per calorie requirement.
<b>CO5</b>	Explain the health disorders due to improper diet.
<b>CO6</b>	Describe the relationship between nutrition & health
<b>CO7</b>	Differentiate between prokaryote and eukaryote cell
<b>CO8</b>	Describe the classification, functions, sources and recommended daily

	allowances (RDA) of carbohydrates, fats, protein, vitamins and minerals.
<b>CO9</b>	Describe the sources, functions and requirements of water & electrolytes
<b>CO10</b>	Describe the cookery rules and preservation of nutrients.
<b>CO11</b>	Describe and plan balanced diet for different categories of people
<b>CO12</b>	Describe the role of nurse in assessment of nutritional status and nutrition education
<b>▪ Microbiology and Pathology-I &amp; II -</b>	
<b>CO1</b>	Analyze different Concepts, terminology and principles of Microbiology.
<b>CO2</b>	Explain Pathogenic organisms and special pathology
<b>CO3</b>	Apply the knowledge of pathology in Nursing Practice
<b>CO4</b>	Identify the causes of infection and develop Immunity of Human beings.
<b>CO5</b>	Apply the knowledge of clinical pathology in Nursing Practice.
<b>CO6</b>	Describe structure, classification of morphology and growth of bacteria
<b>CO7</b>	Identify micro – organisms.
<b>▪ Lab work- Anatomy and Physiology- I &amp; II -</b>	
<b>CO1</b>	Identify function of skeletal and joint System.
<b>CO2</b>	Describe in detail function of skin, muscular, digestion and respiratory system of human body.
<b>CO3</b>	Analyze the Cardio-Vascular Mechanism through practical.
<b>CO4</b>	Describe the importance of Blood Groups in Blood transfusion.
<b>CO5</b>	Know the importance of Family Planning.
<b>▪ Lab work - Microbiology and Pathology-I &amp; II -</b>	
<b>CO1</b>	Demonstrate laboratory equipment's for Microbiology and Pathology
<b>CO2</b>	Describe Pathogenic organisms and special pathology
<b>CO3</b>	Apply the knowledge of clinical pathology in Nursing Practice
<b>CO4</b>	Determine glucose in Serum.

<b>CO5</b>	Identify the creatinine with clearance test.
<b>CO6</b>	Apply the biochemistry and nutrition in nursing practice.
<b>Lab. Work- Biochemistry, Nutrition and Dietetics-I &amp; II</b>	
<b>CO1</b>	Analyze the safety and precaution in Biochemistry lab
<b>CO2</b>	Explain DNA, RNA, balanced diet.
<b>CO3</b>	Analyze the water purification methods, measurement of PH, vitamins, minerals, and glucose.
<b>CO4</b>	Determine plate techniques and glucose in serum.
<b>CO5</b>	Analyze the ability of bacteria enzyme.
<b>CO6</b>	Apply the knowledge of Microbiology and Pathology for nursing.
<b>▪ Internship and Project Work- First Aid-I &amp; II</b>	
<b>CO1</b>	Serve confidently in any nursing situations
<b>CO2</b>	Gain good knowledge in nursing research.
<b>CO3</b>	Demonstrate the practice, supervise in clinical & public health settings.
<b>CO4</b>	Describe the skill in setting and handling equipments.
<b>CO5</b>	Develop IPR with Family.
<b>CO6</b>	Identify the need of patients and solve the problem.
<b>❖ B.Voc Nursing Part-II –</b>	
<b>▪ Management of Nursing Services &amp; Education-I &amp; II-</b>	
<b>CO1</b>	Describe the management of nursing services in the hospital and community.
<b>CO2</b>	Apply the concepts, theories and techniques of organizational behaviour and human relations.
<b>CO3</b>	Describe the elements and process of management.
<b>CO4</b>	Develop skills to plan and organize service education.
<b>CO5</b>	Describe the ethical and legal responsibilities of a professional nurse.

<b>CO6</b>	Identify the various opportunities for professional advancement.
<b>CO7</b>	Explain the nursing practice standards.
<b>❖ Communication &amp; Educational Technology &amp; ICT- I &amp; II-</b>	
<b>CO1</b>	Identify Nurses' effective interpersonal and human relations with patients, families and health team members.
<b>CO2</b>	Acquires the skill of counselling.
<b>CO3</b>	Describe different types of educational medias.
<b>CO4</b>	Describe the philosophy & principles of education.
<b>CO5</b>	Identify the types of assessment of knowledge, skills and attitudes.
<b>❖ Medical-Surgical Nursing- I &amp; II -</b>	
<b>CO1</b>	Explain the causes, patho-physiology, symptoms, treatment and prophylactic measures in common medical and surgical conditions affecting various systems of the body.
<b>CO2</b>	Provide patient centered nursing care.
<b>CO3</b>	Prepare operation theatre for surgery and assist in operative procedures.
<b>CO4</b>	Explain casualty/emergency services.
<b>CO5</b>	Demonstrate complete health assessment to establish a data base for providing quality patient care.
<b>CO6</b>	Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities
<b>CO7</b>	Demonstrate skill in assisting / performing diagnostic and therapeutic procedures.
<b>CO8</b>	Explain competencies/skills to patients undergoing treatment for medical surgical disorders.
<b>CO9</b>	Identify the drugs used to treat patients in medical surgical conditions

<b>❖ Fundamental of Nursing- I &amp; II-</b>	
<b>CO1</b>	Explain the concept of health, illness and scope of nursing within health care services.
<b>CO2</b>	Apply values, code of ethics and professional conduct in professional life.
<b>CO3</b>	Demonstrate competency in monitoring and documenting vital signs.
<b>CO4</b>	Describe fundamentals of health assessment and perform health assessment in supervised clinical settings.
<b>CO5</b>	Identify the educational needs of patients and demonstrate basic skills of patient education.
<b>CO6</b>	Apply the knowledge of the principles, routes and effects of administration of medications in administering medication.
<b>CO7</b>	Calculate conversions of drugs and dosages within and between systems of measurements.
<b>CO8</b>	Demonstrate knowledge and understanding in caring for patients with altered functioning of sense organs and unconsciousness.
<b>▪ Lab/Clinical work: Medical-Surgical Nursing- I &amp; II -</b>	
<b>CO1</b>	Apply the nursing process in providing care to the sick adults in the hospital
<b>CO2</b>	Provide comfort and safety to adult patients in the hospital
<b>CO3</b>	Maintain safe environment for patients during hospital.
<b>CO4</b>	Provide pre, intra and post-operative care to patient undergoing surgery.
<b>CO5</b>	Assess the educational needs of the patient and their family related to medical and surgical disorders and provide appropriate health education to patients.
<b>CO6</b>	Demonstrate the awareness of legal and ethical issues in nursing practice.

<b>▪ Lab/Clinical work: Pharmacology- I &amp; II-</b>	
<b>CO1</b>	Identify the drugs details regarding the classification.
<b>CO2</b>	Explain the factor affecting and action of the drugs.
<b>CO3</b>	Explain the indication and contraindication, action, adverse effect and nursing responsibility.
<b>CO4</b>	Demonstrate awareness of the common drugs used in alternative system of medicine.
<b>CO5</b>	Demonstrate the different route and doses of the drugs.
<b>▪ Lab/Clinical work: Fundamental of Nursing- I &amp; II -</b>	
<b>CO1</b>	Maintain effective human relations.
<b>CO2</b>	Demonstrate skills in techniques of recording and reporting and monitoring vital signs
<b>CO3</b>	Care for patients with altered vital signs.
<b>CO4</b>	Demonstrate skill in implementing standard precautions and use of PPE.
<b>CO5</b>	Demonstrate skill in caring for patients with restricted mobility.
<b>CO6</b>	Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances.
<b>CO7</b>	Assess, plan, implement & evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness.
<b>CO8</b>	Care for terminally ill and dying patients.
<b>▪ Internship Project-I &amp; II</b>	
<b>CO1</b>	Understand the importance of the research in nursing field.
<b>CO2</b>	Identify the problem and try to resolve the problem through the research project.
<b>CO3</b>	Gain good knowledge in nursing research.
<b>CO4</b>	Skill in setting and handling equipment's.

<b>CO5</b>	Develop IPR with Family.
<b>CO6</b>	Identifying the need of patients and solve the problem.
<b>❖ B.Voc Nursing Part-III</b>	
<b>▪ Nursing Research and Statistics-I -</b>	
<b>CO1</b>	Describe the concept of research, terms, need and areas of research in nursing.
<b>CO2</b>	Explain the steps of research process.
<b>CO3</b>	Identify and state the research problem and objectives.
<b>CO4</b>	Explain the review of literature.
<b>CO5</b>	Describe the research approaches and designs.
<b>CO6</b>	Explain the sampling process.
<b>CO7</b>	Describe the methods of data collection.
<b>CO8</b>	Analyze, Interpret and summarize the research data.
<b>CO9</b>	Explain the use of statistics, scales of measurement and graphical presentation of data.
<b>CO10</b>	Describe the measures of central tendency and variability and methods of correlation.
<b>▪ Mental Health Nursing –II</b>	
<b>CO1</b>	Describe the historical development & current trends in mental health nursing.
<b>CO2</b>	Describe the epidemiology of mental health problems.
<b>CO3</b>	Describe the National Mental Health Act, programmes and mental health policy.
<b>CO4</b>	Describe the nature, purpose and process of assessment of mental health status.
<b>CO5</b>	Describe therapeutic impasse and its intervention.



<b>CO6</b>	Explain treatment modalities and therapies used in mental disorders and role of the Nurse.
<b>CO7</b>	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with mental health disorders.
<b>▪ Obstetrics and Gynaecological Nursing –I -</b>	
<b>CO1</b>	Explain professional accountability for the delivery of nursing care as per INC Standards/ICM competencies that are consistent with moral and principles in midwifery practice.
<b>CO2</b>	Explain the trends and issues in midwifery/obstetrical nursing.
<b>CO3</b>	Describe the anatomy and physiology of human reproductive system and conception.
<b>CO4</b>	Describe and apply the physiology in the management of normal pregnancy, birth and puerperium.
<b>CO5</b>	Demonstrate competency in providing respectful maternity care for the women during the antenatal, intranatal and postnatal period.
<b>CO6</b>	Explain the conduction of normal deliveries and provide essential new born care.
<b>CO7</b>	Apply nursing process in caring for women and their families.
<b>CO8</b>	Describe and apply the physiology in the management of normal pregnancy, birth and puerperium.
<b>CO9</b>	Demonstrate competency in providing respectful maternity care for the women during the antenatal, intranatal and postnatal period.
<b>▪ Child Health Nursing – I &amp; II -</b>	
<b>CO1</b>	Develop understanding of the history and modern concepts of child health and child- care.
<b>CO2</b>	Describe the role of preventive paediatrics and perform preventive

	measures towards Accidents.
<b>CO3</b>	Identify the developmental needs of children and provide parental guidance.
<b>CO4</b>	Explain the national immunization programs /Universal Immunization program (UIP).
<b>CO5</b>	Demonstrate competencies in newborn assessment, planning and implementation of care to normal and high-risk newborn including neonatal resuscitation.
<b>CO6</b>	Apply the principles and strategies of Integrated management of neonatal and childhood illness (IMNCI).
<b>CO7</b>	Apply the knowledge of patho-physiology and provide nursing care to children with common childhood diseases.
<b>CO8</b>	Identify and meet childhood emergencies and perform child CPR.
<b>▪ Community Health Nursing –I &amp; II -</b>	
<b>CO1</b>	Describe approaches and concepts of community health.
<b>CO2</b>	Describe the role and responsibilities of community health nursing personnel.
<b>CO3</b>	Describe the skills in providing comprehensive primary health care across the life span at various settings.
<b>CO4</b>	Explain the principles and methods used for home visiting
<b>CO5</b>	Explain the epidemiological approaches in caring for people with communicable and non-communicable diseases.
<b>CO6</b>	Describe the methods of collection and interpretation of demographic data.
<b>CO7</b>	Assess, diagnose, manage and refer clients for various communicable and non- communicable diseases appropriately at the primary health care level.
<b>CO8</b>	Explain the maternal, newborn and child care, and reproductive health including adolescent care in the urban and rural health care settings.

