



# **BOMBAY HOSPITAL COLLEGE OF NURSING, INDORE (M. P.)**

**\*NAAC ACCREDITED\***

**(National Assessment & Accreditation Council)**

**(Approved by Indian Nursing Council, New Delhi, Madhya Pradesh Nursing Council, Bhopal &  
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## **B.Sc. (N) Programme**

- ❖ **Vision, Mission**
- ❖ **PEOs, POs, PSO, COs**



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## **B.Sc. NURSING (SEMESTER WISE)**

The Program is intended to prepare graduates to assume responsibilities as professional, competent nurses and midwives in providing promotive, preventive, curative, and rehabilitative services. The course is of 4 years including internship. Students shall be required to attend a regular course of the study. The procedure of examination will be in the form of sessional and end semester university examination.

### **PROGRAM EDUCATIONAL OBJECTIVES (PEOS)**

**PEO 1: Professional Competence and Ethical Practice** Graduates will demonstrate competence in delivering safe, ethical, and culturally sensitive nursing and midwifery care by applying foundational knowledge, critical thinking, and therapeutic skills across various healthcare settings.

**PEO 2: Leadership, Collaboration, and Technological Proficiency** Graduates will take on leadership roles in diverse healthcare environments, effectively manage teams, utilize current technologies, and engage in interdisciplinary collaboration to improve healthcare outcomes.

**PEO 3: Lifelong Learning and Research-Oriented Practice** Graduates will pursue lifelong learning, engage in nursing research, integrate evidence-based practice, and contribute to the advancement of the nursing profession at local and global levels.

### **PROGRAM OUTCOMES:**

- PO1. Foundational Nursing Knowledge and Critical Thinking:** Apply knowledge from physical, biological, behavioral sciences, and humanities to deliver comprehensive nursing and midwifery care using critical thinking and clinical reasoning skills.
- PO2. Competent and Holistic Care:** Practice safe, ethical, and culturally sensitive nursing and midwifery care across the lifespan in diverse healthcare settings using therapeutic interventions.
- PO3. Health Promotion and Disease Prevention:** Provide promotive, preventive, curative, and rehabilitative services in line with national health policies and programs to improve individual and community health outcomes.



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4. **PO4. Professional Ethics and Values:** Integrate professional values and ethical, legal, and moral principles into nursing practice to uphold human dignity, rights, and responsibilities.
5. **PO5. Leadership and Management:** Demonstrate leadership, autonomy, and effective management skills to ensure safety, quality, and accountability in nursing and midwifery care.
6. **PO6. Technology and Innovation in Care:** Utilize current technologies, healthcare informatics, and digital tools to enhance patient care and healthcare outcomes.
7. **PO7. Communication and Interpersonal Skills:** Communicate effectively and respectfully with individuals, families, and multidisciplinary health teams to promote teamwork and patient-centered care.
8. **PO8. Collaborative and Independent Practice:** Provide evidence-informed care both independently and collaboratively within inter professional healthcare teams to ensure safety and quality improvement.
9. **PO9. Evidence-Based Practice and Research Integration:** Incorporate nursing theories and research evidence into clinical decision-making and practice for improved patient outcomes.
10. **PO10. Lifelong Learning and Professional Advancement:** Demonstrate accountability for personal and professional development, contribute to the advancement of nursing practice, and engage in continuous learning to meet global health challenges

## **PROGRAM SPECIFIC OUTCOMES (PSOS)**

1. Apply the knowledge of physical, biological, behavioural sciences, humanities, nursing theories and practices to provide high quality nursing care.
2. Use the research-based methods in the investigation of clinical nursing problems and adopt research designs, analyses of medical data and synthesis information to provide valid conclusions.
3. Design health care for diverse populations and communities considering the public health and safety, cultural and societal status and environmental consideration.



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## **B.Sc. NURSING SEMESTER- I**

### **COURSE OUTCOMES (Cos)**

#### **Course Title: Communicative English (Theory =Cr-2,Ct-40Hrs)**

**CO1:** Describe the significance of communicative English for health care professionals.

**CO2:** Apply the concepts and principles of English language use in professional development.

**CO3:** Develop skill in reading, writing, speaking and listening English language.

#### **Course Title: Applied Anatomy (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands

**CO2:** Explain the structure of various system of the body

**CO3:** Identify the relative position of the major body organs

**CO5:** Evaluate the effect of alteration in structure

**CO4:** Apply knowledge of anatomic structures to analyse clinical situations and therapeutic applications

#### **Course Title: Applied Physiology (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Develop understanding of the normal functioning of various organ systems of the body

**CO2:** Identify the maintenance of homeostasis.

**CO3:** Understand the alteration in physiology.

**CO4:** Apply the knowledge of normal and abnormal physiology of various systems in the practice of nursing.

#### **Course Title: Applied Sociology (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Identify the scope and significance of sociology in nursing.

**CO2:** Apply the knowledge of social structure and different culture in a society in identifying social needs of sick clients.



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**C03:** Identify the impact of culture on health and illness.

**CO4:** Develop understanding about types of family, marriage and its legislation.

**CO5:** Identify different types of caste, class, social change and its influence on health and health practices.

**CO6:** Develop understanding about social organization and disorganization and social problems in India.

**CO7:** Integrate the knowledge of clinical sociology and its uses in crisis intervention.

## **Course Title: Applied Psychology (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Identify the importance of psychology in individual and professional life.

**CO2:** Develop understanding of the biological and psychological basis of human behaviour.

**CO3:** Perform the role of nurse in promoting mental hygiene and mental health.

**CO4:** Describe the characteristics of mentally healthy person.

**CO5:** Describe cognitive and affective needs of clients

**CO6:** Apply the principles of motivation and emotion while caring emotionally sick patient.

**CO7:** Demonstrate basic understanding of psychological assessment and its nursing implications.

**CO8:** Apply the knowledge of soft skills in work place and society.

## **Course Title: Nursing Foundations I Including First Aid Module- -(Theory =Cr-6,Ct-120Hrs)**

**CO1:** Develop understanding about the concept of health and illness and healthcare.

**CO2:** Apply values, code of ethics and professional conduct in professional life.

**CO3:** Apply the principles of effective communication and skill in documentation.

**CO4:** Demonstrate competency and skill in doing nursing procedures.

**CO5:** Perform admission, transfer and discharge procedure under supervision

**CO6:** Describe the principle and techniques of infection control and biomedical waste management.

**CO7:** Demonstrate the ability in providing comfort needs of the patient and patient education.

**CO8:** Demonstrate the ability in providing the first aid measures



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## **Course Title: Nursing Foundations I**

### **Including First Aid Module-**

**(Practical =Cr-2,Ct-160Hrs)**

**CO1.** Demonstrate effective communication and interpersonal skills with patients, families, and the healthcare team in clinical settings.

**CO2.** Apply appropriate techniques for accurate recording and reporting of patient data and nursing care activities.

**CO3.** Monitor and interpret vital signs accurately and provide appropriate nursing interventions for patients with altered parameters.

**CO4.** Implement infection prevention and control measures, including standard precautions and the correct use of personal protective equipment (PPE).

**CO5.** Provide comfort and supportive care, including safe handling and positioning of patients with limited mobility.

**CO6.** Manage patient admission, transfer, and discharge processes efficiently and empathetically.

**CO7.** Plan and deliver health education to patients and families, applying teaching principles relevant to individual needs.

**CO8.** Demonstrate first aid skills in emergency situations, ensuring timely and appropriate responses in clinical practice.



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## **B.Sc. NURSING SEMESTER- II**

### **Course Title: Applied Biochemistry (Theory =Cr-2,Ct-40Hrs)**

**CO1:** Distinguish the metabolism of carbohydrates, lipids, amino acids and proteins

**CO2:** Demonstrate the skill in identifying the changes in diagnostics measures of various disease condition

**CO3:** Detect the variations of different investigations and its interpretations and its significance

**CO4:** Illustrate the immunochemistry

### **Course Title: Applied Nutrition and Dietetics (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Identify the importance of nutrition in health and illness.

**CO2:** Apply the knowledge of nutrients and dietary modifications in caring patients.

**CO3:** Identify nutritional needs of different age groups and plan a balanced diet for them.

**CO4:** Prepare therapeutic diet using different methods and cookery rules for various nutritional deficiency disorders.

**CO5:** Describe the role of nurse in assessment of nutritional status, management and nutrition education.

**CO6:** Describe various national programmes related to nutrition

**CO7:** Discuss the importance of food hygiene and food safety and explain the acts related to food safety.

### **Course Title: Nursing Foundations II Including Health Assessment Module (Theory =Cr-6,Ct-120Hrs)**

**CO1.** Perform comprehensive health assessments under supervision, demonstrating an understanding of fundamental assessment techniques.

**CO2.** Apply the nursing process (assessment, planning, implementation, and evaluation) to deliver evidence-based care to adult patients in supervised clinical settings.

**CO3.** Assess and support patients' nutritional needs, demonstrating knowledge of dietary principles and nutrition-related care.

**CO4.** Provide safe and appropriate care to meet patients' hygiene and personal care needs.



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**CO5.** Identify and manage patients' elimination needs using appropriate techniques and assistive devices.

**CO6.** Interpret basic laboratory findings by comparing specimen test results with normal values to guide nursing care.

**CO7.** Recognize and respond to patients' oxygenation needs through correct assessment and supervised interventions.

**CO8.** Demonstrate understanding of fluid and electrolyte balance and its relevance in patient care.

**CO9.** Administer medications safely under supervision, demonstrating knowledge of drug administration routes, effects, and principles.

**CO10.** Accurately calculate drug dosages and conversions across different measurement systems to ensure medication safety.

**CO11.** Provide appropriate nursing care to patients with altered sensory functioning or unconsciousness, ensuring patient safety and comfort.

**CO12.** Demonstrate sensitivity to psychosocial and spiritual aspects of care by understanding grief, stress adaptation, sexuality, and cultural diversity in health and illness.

## **Course Title: Nursing Foundations II Including Health Assessment Module(Practical =Cr-4,Ct-320Hrs)**

**CO1.** Perform systematic health assessments of all body systems, documenting findings accurately under supervision.

**CO2.** Apply the nursing process effectively to plan and provide individualized care for adult patients in clinical settings.

**CO3.** Assess and meet the nutritional needs of patients using appropriate nursing interventions and dietary principles.

**CO4.** Demonstrate proficiency in providing hygiene-related care to promote patient comfort, dignity, and infection control.

**CO5.** Plan and implement nursing care for patients with elimination needs, ensuring privacy, safety, and efficiency.

**CO6.** Collect patient specimens correctly and perform basic laboratory tests, interpreting diagnostic values for clinical decision-making.



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**CO7.** Recognize signs of impaired oxygenation and fluid-electrolyte imbalances, and provide appropriate nursing interventions.

**CO8.** Provide compassionate care to unconscious or terminally ill patients, addressing their basic needs and supporting their families.

## **Course Title: Health Nursing informatics and technology**

**(Theory =Cr-2,Ct-40Hrs)**

**CO1:** Demonstrate the use of computer and technology in patient care, nursing education, practice, administration and research

**CO2:** Describe the principles of health informatics

**CO3:** Demonstrate the use of health information system in hospital setting

**CO4:** Explain the use of electronic health records in nursing practice

**CO5:** Describe the standardized languages used in health informatics

**CO6:** Apply the knowledge of interoperability standards in clinical setting

**CO7:** Explain the application of public health informatics

**CO8:** Explains the ethical and legal issues related to nursing informatics

**CO9:** Explain the relevance of evidence-based practices in providing quality healthcare



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## **B.Sc. NURSING SEMESTER- III**

### **Course Title: Applied Microbiology and Infection Control Including Safety (Theory =Cr-2,Ct-40Hrs)**

**CO1.** Explain the ubiquity, diversity, classification, morphology, and growth characteristics of microorganisms in the human body and the environment.

**CO2.** Identify common pathogenic microorganisms and describe their mechanisms of disease causation.

**CO3.** Describe the role and components of the human immune system in defending against infections through specific and non-specific mechanisms.

**CO4.** Apply the principles of immunization and describe the preparation, types, and importance of vaccines in infection prevention.

**CO5.** Explain the role of microbiology laboratories and microbiologists in the diagnosis and management of infectious diseases.

**CO6.** Describe the epidemiology, sources, and prevention strategies for Hospital Acquired Infections (HAIs).

**CO7.** Demonstrate the use of isolation techniques (barrier and reverse barrier) in infection prevention and control.

**CO8.** Perform and promote correct hand hygiene techniques and the appropriate use of Personal Protective Equipment (PPE).

**CO9.** Apply appropriate methods of disinfection and sterilization in clinical and hospital settings.

**CO10.** Demonstrate correct procedures in specimen collection, labeling, handling, and transport to ensure accurate diagnostic testing.

**CO11.** Integrate biomedical waste management principles and guidelines into daily nursing practice for safety and compliance.

**CO12.** Apply antibiotic stewardship principles, international patient safety goals (IPSG), and occupational safety practices to promote both patient and employee safety in healthcare settings.



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## **Course Title: Adult Health Nursing with integrated pathophysiology including BCLS module (Theory =Cr-7,Ct-140Hrs)**

**CO1:** Demonstrate advanced clinical assessment skills, including a comprehensive health history and physical examination for adult patients.

**CO2:** Apply critical thinking skills to analyse complex patient situations, make sound clinical judgments, and prioritize nursing interventions.

**CO3:** Implement evidence-based nursing interventions to promote and maintain the health of adult patients, manage acute and chronic illnesses, and prevent complications.

**CO4:** Administer medications safely, understanding their therapeutic effects, potential side effects, and interactions.

**CO5:** Develop and implement effective patient education plans to enhance self-care and promote health and well-being.

**CO6:** Collaborate with other healthcare professionals to provide comprehensive care for adult patients, recognizing the importance of interdisciplinary teamwork.

**CO7:** Demonstrate understanding of ethical and legal principles in nursing practice, ensuring patient rights and confidentiality.

**CO8:** Provide culturally competent care, recognizing and respecting diverse values, beliefs, and practices that may influence health outcomes.

## **Course Title: Adult Health nursing with integrated pathophysiology including BCLS module**

**(Practical =Cr-6,Ct-480Hrs)**

**CO1.** Apply the nursing process to assess, plan, implement, and evaluate individualized care for adult patients with medical and surgical conditions.

**CO2.** Perform comprehensive health assessments and interpret diagnostic findings to identify priority nursing problems and formulate care plans.

**CO3.** Demonstrate proficiency in performing pre-, intra-, and post-operative nursing care using scientific principles and evidence-based practices.

**CO4.** Ensure patient safety and comfort during hospitalization by implementing appropriate nursing interventions and maintaining a therapeutic environment.

**CO5.** Provide effective communication and emotional support to patients and their families, promoting collaboration and continuity of care.



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**CO6.** Deliver health education to patients and caregivers regarding disease conditions, treatment plans, and self-care strategies for recovery and rehabilitation.

**CO7.** Integrate knowledge of pharmacology, pathology, and nutrition while caring for adults with disorders of the gastrointestinal, respiratory, endocrine, cardiovascular, dermatological, and musculoskeletal systems.

**CO8.** Demonstrate accountability and professionalism by adhering to legal, ethical, and evidence-based standards in all aspects of clinical nursing practice.

## **Course Title: Pharmacology including Fundamentals of prescribing Module (Theory =Cr-1,Ct-20Hrs)**

**CO1:** Describe the processes of drug absorption, distribution, metabolism, and excretion.

**CO2:** Explain the mechanisms of drug action and how drugs interact with specific receptors.

**CO3:** Classify drugs based on their pharmacological effects and therapeutic uses.

**CO4:** Recognize major drug classes and their prototypes.

**CO5:** Identify common side effects and adverse reactions associated with specific drugs.

**CO6:** Understand contraindications and precautions for drug administration.

**CO7:** Apply nursing process in drug administration, including assessment, planning, implementation, and evaluation.

**CO8:** Provide patient education regarding medication use, including proper administration, potential side effects, and adherence.

**CO9:** Demonstrate safe and accurate medication administration techniques.

## **Course Title: Pathology –I (Theory =Cr-1,Ct-20Hrs)**

**CO1:** Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology

**CO2:** Rationalize the various laboratory investigations in diagnosing pathological disorders

**CO3:** Demonstrate the methods of collection of blood body cavity fluid, urine and feces for various tests.

**CO4:** Apply the knowledge of genetics in various pathological disorders

**CO5:** Rationalize the specific diagnostic test in the detection of genetic abnormalities

**CO6:** Demonstrate the understanding of various services related to genetics



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## **B.Sc. NURSING SEMESTER- IV**

### **Course Title: Pharmacology – II Including Fundamentals of Prescribing Module(Theory =Cr-3,Ct-60Hrs)**

**CO1:** Explain the pharmacological management of various disorders, including ear, nose, throat, eye, urinary, nervous, and hormonal systems.

**CO2:** Describe drugs used in emergency conditions, immune disorders, and women's health (antenatal, intra-natal, postnatal).

**CO3** Demonstrate understanding of pharmacological principles, safe drug administration, and nursing responsibilities.

**CO4:** Apply knowledge of alternative systems of medicine and fundamental prescribing principles.

**CO5:** Integrate pharmacological concepts to provide holistic patient care, considering individual needs and system-specific disorders.

### **Course Title: Pathology -II and Genetics(Theory =Cr-1,Ct-20Hrs)**

**CO1:** Apply knowledge of pathology to understand deviations from normal to abnormal, including genetic factors.

**CO2:** Interpret and rationalize laboratory investigations for diagnosing pathological disorders, including blood, body fluid, urine, and faeces analysis.

**CO3:** Demonstrate understanding of genetic principles in pathological disorders, including manifestations and diagnostic tests.

**CO4:** Apply critical thinking to diagnose genetic abnormalities using specific tests and technologies.

**CO5:** Integrate knowledge of genetics services, laboratory investigations, and pathological principles to provide comprehensive patient care.

### **Course Title: Adult Health Nursing -II (With Integrated Pathophysiology Including Geriatric Nursing & Palliative Care Module) (Theory =Cr-7,Ct-140Hrs)**

**CO1:** Demonstrate comprehensive understanding of selected medical and surgical disorders, including etiology, pathophysiology, manifestations, diagnosis, treatment, and complications.

**CO2:** Conduct thorough health assessments, prioritize diagnoses, and develop individualized nursing care plans, integrating knowledge of diagnostic tests and scientific principles.

**CO3:** Provide skilled, holistic nursing care to patients with various medical and surgical conditions, applying knowledge of anatomy, physiology, pathology, nutrition, and pharmacology.



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**CO4:** Integrate critical thinking and nursing responsibilities in diagnostic measures, patient assessment, and care planning, delivering high-quality, patient-centred care.

**CO5:** Demonstrate clinical skills in assisting and performing diagnostic and therapeutic procedures, and provide competent care to patients with medical-surgical disorders.

**CO6:** Apply pharmacological knowledge and educate patients and groups on significant medical-surgical topics, including treatment options and self-care.

**CO7:** Maintain a safe environment for patients and healthcare personnel, promoting high-quality, patient-centred care through effective education, treatment, and health management.

## **Course Title: Professionalism, Professional Values & Ethics Including Bioethics (Theory =Cr-1,Ct-20Hrs)**

**CO1:** Define and demonstrate professionalism in nursing, recognizing challenges and importance of professional conduct.

**CO2:** Establish and maintain effective, respectful communication and relationships with healthcare teams, patients, and society.

**CO3:** Understand and adhere to regulatory bodies' standards and professional organizations' guidelines related to nursing practice.

**CO4:** Integrate professional values into patient care, prioritizing quality, safety, and compassion.

**CO5:** Embody professional values, compassion, and respect in nursing practice, prioritizing patient dignity, privacy, and confidentiality.

**CO6:** Advocate for patients' well-being, promote professional growth, and advance the nursing profession, recognizing ethical and bioethical concerns.

**CO7:** Apply ethical principles and decision-making skills to protect patient rights, collaborate with healthcare teams, and address complex issues and dilemmas.

## **Course Title: Adult Health Nursing -II (With Integrated Pathophysiology Including Geriatric Nursing & Palliative Care Module) (Practical =Cr-6,Ct-480Hrs)**

**CO1:** Utilize the nursing process to provide high-quality care to adult patients, including health assessment, nursing diagnoses, care planning, and evaluation.

**CO2:** Provide comfort, safety, and supportive care to adult patients, ensuring their physical and emotional well-being.

**CO3:** Maintain a safe environment, prevent accidents, and ensure patient safety during hospitalization.



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**CO4:** Communicate effectively with patients, families, and healthcare teams, providing clear explanations and health education.

**CO5:** Demonstrate technical skills in performing nursing procedures, integrating scientific principles and evidence-based practice.

**CO6:** Integrate knowledge of pathology, nutrition, pharmacology, and medical/surgical conditions to provide holistic, patient-centred care.

**CO7:** Integrate evidence-based information while giving nursing care to patients.

**CO8:** Demonstrate the awareness of legal and ethical issues in nursing practice.



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## **B.Sc. NURSING SEMESTER- V**

**Course Title: Child Health Nursing I including essential newborn care, FBNC, IMNCI and PLS modules (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Develop understanding of the history and modern concepts of child health and child care including national policy and child welfare programs

**CO2:** Describe the role of preventive paediatrics in prevention of accidents in children

**CO3:** Identify the role of play for normal and sick children and assess the normal growth and development of children at different age groups.

**CO4:** Demonstrate competencies in new-born assessment, care to normal and high risk new born new-born care and including neonatal resuscitation.

**CO5:** Describe the nursing management of children with Respiratory and Endocrine disorders

**CO6:** Apply the principles and strategies of IMNCI

**CO7:** Develop ability to meet childhood emergencies.

**Course Title: Child Health Nursing including essential newborn care, FBNC, IMNCI and PLS modules– 1(Practical=Cr-2,Ct-160Hrs)**

**CO1:** Conduct comprehensive assessments of children's health, development, and growth (anthropometric measurements).

**CO2:** Provide specialized nursing care to children with medical disorders, surgical conditions, and malformations.

**CO3:** Manage critical paediatric cases, providing evidence-based care to critically ill children.

**CO4:** Promote preventive care through immunizations (as per NIS) and health education/nutritional counselling for parents.

**CO5:** Provide emotional support and counselling to parents, addressing their unique needs and concerns.

**Course Title: Mental Health Nursing-I(Theory =Cr-3,Ct-60Hrs)**

**CO1:** Understand the historical development, scope, and principles of mental health nursing, including classification of mental disorders.



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**CO2:** Conduct comprehensive mental health assessments and apply therapeutic communication skills to establish effective nurse-patient relationships.

**CO3:** Apply the Indian Nursing Council's practice standards in supervised clinical settings, utilizing the nursing process to deliver individualized care.

**CO4:** Demonstrate knowledge of various treatment modalities and therapies for mental disorders, including psychotherapy and pharmacological interventions.

**CO5:** Provide specialized nursing care to patients with severe mental illnesses, including schizophrenia, psychotic disorders, mood disorders, and neurotic disorders.

**CO6:** Develop personalized care plans based on assessment findings and treatment/therapies used, promoting holistic recovery and well-being.

## **Course Title: Mental Health Nursing-I(Practical=Cr-1,Ct-80Hrs)**

**CO1:** Demonstrate foundational knowledge of mental health nursing, including its history, scope, principles, and classification of mental disorders, and apply this knowledge in conducting comprehensive mental health assessments.

**CO2:** Deliver individualized, evidence-based care through therapeutic communication, Indian Nursing Council's practice standards, and utilization of the nursing process, incorporating various treatment modalities and therapies.

**CO3:** Provide specialized, personalized care to patients with severe mental illnesses (e.g., schizophrenia, psychotic disorders, mood disorders, neurotic disorders), promoting holistic recovery and well-being through tailored care plans.

## **Course Title: Community Health Nursing -I Including Environmental Science & Epidemiology (Theory =Cr-5,Ct-100Hrs)**

**CO1:** Comprehend India's healthcare delivery system, including healthcare planning, policies, regulations, and primary healthcare significance.

**CO2:** Demonstrate knowledge of environmental health, sanitation, and nutrition, including nutritional assessment and counselling for various age groups.

**CO3:** Apply health education principles and behaviour change techniques to individuals, families, and communities, promoting healthy practices.

**CO4:** Integrate community health nursing approaches and concepts, providing comprehensive care through evidence-based practice.

**CO5:** Understand the evolution of public health and community health nursing in India, including concepts and determinants of health, levels of prevention, and current health problems.



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**CO6:** Comprehend India's healthcare delivery system, including healthcare planning, policies, regulations, and primary healthcare significance.

**CO7:** Demonstrate knowledge of environmental health, sanitation, and nutrition, including nutritional assessment and counselling for various age groups.

**CO8:** Apply health education principles and behaviour change techniques to individuals, families, and communities, promoting healthy practices.

**CO9:** Integrate community health nursing approaches and concepts, providing comprehensive care through evidence-based practice.

**Course Title: Community Health Nursing -1 including Environmental Science & Epidemiology (Practical=Cr-2,Ct-160Hrs)**

**CO1:** Establish effective relationships and communication with individuals, families, and communities, building rapport and trust.

**CO2:** Assess and understand socio-demographic characteristics, health determinants, and resources in rural and urban communities.

**CO3:** Participate in primary healthcare delivery systems (PHC, CHC, SC/HWC), maintaining accurate records and reports, and documenting significant observations.

**CO4:** Conduct comprehensive health assessments, perform nutritional assessments, and provide personalized diet plans for clients across various age groups.

**CO5:** Identify, screen, diagnose, manage, and refer clients with prevalent communicable and non-communicable diseases, including emerging and re-emerging diseases, using standing orders/protocols.

**CO6:** Implement and participate in national health programs, school health programs, and community health initiatives, educating individuals, families, and communities on healthy practices.

**Course Title: Educational Technology / Nursing Education (Theory =Cr-2,Ct-40Hrs)**

**CO1:** Understand theoretical foundations, principles, and latest approaches to teaching and learning, recognizing individual learning styles and teaching methods.

**CO2:** Develop and implement effective curriculum planning, organization, and teaching strategies tailored to diverse student populations and settings.

**CO3:** Integrate active learning, critical thinking, team collaboration, and interprofessional education principles into teaching practices.



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**CO4:** Utilize educational media/technology, assessment, and evaluation strategies aligned with learning objectives and cognitive, psychomotor, and affective domains.

**CO5:** Provide student guidance through mentoring, academic advising, counselling, and crisis management, addressing difficult situations and disciplinary issues.

**CO6:** Embody ethical practices, evidence-based teaching, and professional values in educational and clinical settings.

## **Course Title: Introduction To Forensic Nursing and Indian Laws (Theory =Cr-1,Ct-20Hrs)**

**CO1:** Identify forensic nursing as an emerging specialty in healthcare and nursing practice

**CO2:** Explore the history and scope of forensic nursing practice

**CO3:** Identify forensic team, role and responsibilities of forensic nurse in total care of victim of violence and in preservation of evidence

**CO4:** Develop basic understanding of the Indian judicial system and legal procedures



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## **B.Sc. NURSING SEMESTER – VI**

### **Course Title: Child Health Nursing – II(Theory =Cr-2,Ct-40Hrs)**

**CO1:** Apply the knowledge of pathophysiology and provide nursing care to children with Cardiovascular, GI, genitourinary, nervous system disorders, orthopaedic disorders, eye, ear and skin disorders and communicable diseases

**CO2:** Provide care to children with common behavioural, social and psychiatric problems

**CO3:** Manage challenged children

**CO4:** Identify 1. Conduct comprehensive assessments of children's health, development, and growth, and provide nursing care for various medical disorders.

### **Course Title: Child Health Nursing -II(Practical=Cr-1,Ct-80Hrs)**

**CO1:** Provide specialized care to children with surgical conditions, critical illnesses, and other health needs, including pre- and post-operative care for surgical conditions/malformation

**CO2:** Promote preventive care and healthy habits through Immunizations (as per NIS) and Health education in addition to nutritional counselling for parents

**CO3:** Support families through counselling and education, addressing identified needs and concerns, and empowering parents to provide optimal care for their children.

### **Course Title: Mental Health Nursing -II(Theory =Cr-2,Ct-40Hrs)**

**CO1:** 1. Apply the nursing process to provide care to patients with various psychiatric and mental health conditions, including substance use disorders, personality and sexual disorders, behavioural and emotional disorders in children and adolescents as well as organic brain disorders

**CO2:** Identify and manage psychiatric emergencies and crises such as recognizing emergency situations, responding to emergencies& conducting crisis interventions under supervision

**CO3:** Demonstrate understanding of legal and regulatory frameworks mainly Mental Healthcare Act (MHCA) 2017&Admission and discharge procedures.

**CO4:** Provide comprehensive, patient-centred care through assessment, planning, implementation, and evaluation, promoting recovery, wellness, and safety.

**CO5:** Explore the roles and responsibilities of community mental health nurse in delivering community mental health services.



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## **Course Title: Mental Health Nursing- II Practical(Practical=Cr-2,Ct-160Hrs)**

**CO1:** Assess and provide comprehensive nursing care to patients with mental health problems/disorders by conducting thorough assessments & providing individualized care.

**CO2:** Participate in various treatment modalities and therapies that consist of observing and assisting in therapies as well as conducting individual and group psycho-education

**CO3:** Educate and support patients and families through counselling & motivation for early treatment and follow-up in community settings

**CO4:** Address substance abuse disorders using assessment methods and care in de-addiction centres which paves a way to understand specialized care for substance abuse.

## **Course Title: Nursing Management & Leadership (Theory =Cr-3,Ct-60Hrs)**

**CO1:** Understand Nursing Administration Foundations

**CO2:** Apply Management Concepts to Nursing Services

**CO3:** Develop management skills in materials and supplies management, inventory control & financial planning and budgeting

**CO4:** Demonstrate effective leadership and collaboration in identifying leadership styles and competencies which also fosters team working and interprofessional collaboration

**CO5:** Apply quality management and evaluation principles of participating in quality management activities and utilizing knowledge of principles and line of control

**CO6:** Integrate technology and informatics in maintaining accurate records and reports& applying nursing informatics principles

**CO7:** Establish and manage nursing education programs by understanding INC guidelines.

**CO8:** Advance professionally and navigate legal frameworks to Identify legal issues and laws relevant to nursing practice and education and to pursue opportunities for professional advancement.

## **Course Title: Nursing Management & Leadership(Practical=Cr-1,Ct-80Hrs)**

### **In Hospital**

**CO1:**1.Plan and Organize Hospital/Nursing Services by preparing organizational charts, calculating staff requirements and formulating job descriptions.



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**CO2:** Manage Human Resources through preparing duty rosters for staff/students and participating in supervision and evaluation as well as to conduct in-service education

**CO3:** Manage Equipment and Supplies by purchasing equipment and supplies, maintaining inventory and log books (MMF) as well as to store and record daily inventory.

**CO4:** Maintain Records and Reports of various records (incident, adverse, audit) also to develop and implement protocols and manuals

**CO5:** Ensure Quality and Compliance by participating in quality control measures such as to develop and implement policies and procedures in addition to conducting audits and evaluations.

## **In College & Hostel**

**CO1:** Plan and Organize Academic Administration

**CO2:** Facilitate Clinical Teaching and Learning

**CO3:** Assess Student Performance.

## **Course Title: Obstetrics And Gynaecology Nursing- I Including SBA module(Theory =Cr-3,Ct-60Hrs)**

**CO1:** Demonstrate and practice midwifery consistent with INC standards, ICM competencies, and humanistic principles

**CO2:** Foster mutual respect and shared decision-making with individuals, families, and colleagues

**CO3:** Understand Midwifery Fundamentals consisting of anatomy and physiology of human reproductive system as well as trends and issues in midwifery and obstetrical nursing

**CO4:** Provide Evidence-Based Maternity Care by attending normal pregnancy, birth, and puerperium management

**CO5:** Promote essential new-born care and Family welfare services along with contraception methods

**CO6:** Apply Nursing Process and Critical thinking in caring for women and families

**CO7:** Address Social and Community Needs through Youth-friendly health services and care for women affected by gender-based violence



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## **Course Title: Obstetrics & Gynaecology Nursing—I Practical(Practical=Cr-3,Ct-240Hrs)**

**CO1:** Provide Pre-Conception and Antenatal Care by counselling and performing antenatal assessments.

**CO2:** Prepare for Childbirth and Labour by providing education classes and organizing labour room

**CO3:** Provide Intra-Partum Care

**CO4:** Conduct Normal Childbirth and Provide Essential Newborn Care:

**CO5:** Provide Postnatal Care through postnatal assessment for mother as well as newborn

**CO6:** Promote Family Planning and to participate in family welfare services

**CO7:** Address Special Needs and Vulnerable Populations



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## **B.Sc. NURSING SEMESTER- VII**

**Course Title: Community Health Nursing II (Theory =Cr-5,Ct-100Hrs)**

- CO1 • Apply primary care nursing skills, including emergency and first aid interventions, in home, clinic, and community settings following government protocols and standing orders.
- CO2 • Provide comprehensive maternal, newborn, child, adolescent, and reproductive health services in both urban and rural healthcare settings.
- CO3 • Collect, analyze, and interpret demographic data to assess population health needs and trends.
- CO4 • Explain the principles of population control, its social implications, and demonstrate counseling skills in family planning and reproductive health.
- CO5 • Identify occupational health risks and participate in planning and implementing occupational health and safety programs.
- CO6 • Assess health issues in older adults and provide supportive, rehabilitative, and counseling services tailored to geriatric needs.
- CO7 • Participate in mental health screening in the community and facilitate timely referrals and follow-up care.
- CO8 • Collect and manage health data using Health Management Information System (HMIS) tools and apply the data for community health planning.
- CO9 • Demonstrate leadership and administrative skills in planning, supervising, and managing community health services and health teams at PHC and sub-center levels.
- CO10 • Explain the roles of national and international health agencies and demonstrate preparedness in disaster management and biomedical waste handling in accordance with established protocols.

**Course Title: Community Health Nursing II (Practical=Cr-2,Ct-160Hrs)**

- CO1 • Demonstrate competency in screening, diagnosing, managing, and referring clients with common health conditions and emergencies in urban and rural community settings.
- CO2 • Conduct physical and nutritional assessments of antenatal, intrapartum, postnatal women, and newborns, and provide appropriate care.
- CO3 • Assist in the conduction of normal deliveries and provide essential newborn care at health centers.
- CO4 • Provide health education and counseling to adolescents and families on reproductive and sexual health, including family planning.
- CO5 • Distribute temporary contraceptives such as condoms, oral contraceptive pills, and emergency contraception as per guidelines.
- CO6 • Conduct screening and provide basic care or referral for clients with



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- occupational health issues, elderly health concerns, and mental health problems.
- CO7 • Participate in community health diagnosis activities including data collection, analysis, and reporting of health center activities.
- CO8 • Organize and participate in clinics, health camps, and disaster mock drills to enhance emergency preparedness and health promotion in the community.

## Course Title: Nursing Research and Statistics (Theory =Cr-2,Ct-40Hrs)

- CO1 • Identify priority research areas and formulate relevant research questions, problem statements, and hypotheses in nursing and healthcare.
- CO2 • Conduct a comprehensive literature review and prepare an annotated bibliography related to the selected research topic.
- CO3 • Develop appropriate and valid research tools for data collection based on the research objectives.
- CO4 • Analyze, interpret, and present research data using descriptive statistics, correlation, and graphical methods.
- CO5 • Design a research proposal and demonstrate the ability to plan and execute an individual or group research project.
- Apply basic statistical techniques and evidence-based findings to improve the quality of nursing care and clinical decision-making.

## Course Title :Midwifery/Obstetrics and Gynaecology Nursing – II (Theory =Cr-3,Ct-60Hrs)

- CO1 • Explain the assessment, respectful maternity care, and initial management of women with high-risk pregnancies, including timely referral.
- CO2 • Identify and interpret deviations from normal pregnancy through clinical assessment and observation.
- CO3 • Provide initial management, nursing care, and appropriate referrals for women experiencing high-risk labor.
- CO4 • Assist skillfully in conducting abnormal vaginal deliveries and cesarean sections under supervision.
- CO5 • Assess and manage abnormal postpartum conditions and implement postnatal nursing care for high-risk mothers.
- CO6 • Demonstrate skills in identifying and managing complications during the postnatal period.
- CO7 • Provide safe and effective nursing care to high-risk neonates, including use of Safe Delivery App protocols.



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- CO8 • Apply the nursing process to plan and implement care for high-risk mothers and newborns in various healthcare settings.
- CO9 • Describe and manage common gynecological disorders, including counseling and nursing interventions.
- CO10 • Demonstrate professional attitudes and accountability in delivering holistic, respectful, and evidence-based care to women and their families in both hospital and community settings.

## **Course Title: Midwifery/Obstetric and Gynaecological Nursing – II (Practical=Cr-4,Ct-320Hrs)**

- CO1 • Identify, manage, stabilize, and appropriately refer antenatal women with complications using evidence-based protocols.
- CO2 • Provide safe and respectful nursing care to antenatal women with complications, including post-abortion care and counseling.
- CO3 • Assist in the conduction of abnormal vaginal deliveries and cesarean sections, demonstrating technical competency and emergency preparedness.
- CO4 • Demonstrate neonatal resuscitation skills and provide immediate care to high-risk newborns.
- CO5 • Assist in managing labor-related complications and support the woman through advanced midwifery procedures.
- CO6 • Identify and manage complications in the postnatal and neonatal period, ensuring stabilization and timely referral.
- CO7 • Utilize the nursing process to provide holistic and individualized care to high-risk antenatal, intranatal, and postnatal women and their families.
- CO8 • Deliver comprehensive nursing care to high-risk neonates, promoting survival and well-being.
- CO9 • Assess, manage, and provide nursing care for women with gynecological disorders, including infertility and non-childbearing conditions.
- CO10 • Demonstrate competence in performing and assisting in specialized gynecological procedures and effectively counsel couples with infertility.