

अध्याय - 04  
पाठ्यक्रम - सभी पदों हेतु

(अ) सामान्य ज्ञान, सामान्य हिन्दी, सामान्य अंग्रेजी, सामान्य गणित, सामान्य विज्ञान, सामान्य अभिरूचि 25 अंक

(ब) संबंधित विषय पर आधारित प्रश्न

75 अंक

| B.Sc. Curriculum |      |          |                                      |  |
|------------------|------|----------|--------------------------------------|--|
| S.No.            | Year | Semester | Courses                              | Content  |
| 1                |      | I        | Communicative English                | <p>Communication.<br/>Introduction to LSRGW(Listening, Speaking, Reading, Grammer, Writing simple)<br/>Attentive Listening.<br/>Speaking-Effective .<br/>Conversation.<br/>Reading.<br/>Writing Skills.<br/>LSRW Skills.</p>   |
| 2                | 1    | I        | Applied Anatomy & Applied Physiology | <p><b>Applied Anatomy</b><br/>Introduction to anatomical terms and organization of the human body.<br/>The Respiratory system.<br/>The Digestive system.<br/>The Circulatory and lymphatic system.<br/>The Endocrine system.<br/>The Sensory organs.<br/>The Musculoskeletal system.<br/>The Muscular System.<br/>The skeletal system.<br/>The Renal System.<br/>The Reproductive System.<br/>The Nervous system.</p> <p><b>Applied Physiology</b><br/>General Physiology-Basic concept.<br/>Respiratory system.<br/>Digestive system.<br/>Circulatory and lymphatic system.<br/>Blood.<br/>The endocrine system.<br/>The sensory Organs.<br/>Musculo-skeletal system.<br/>Renal system.<br/>The Reproductive System.<br/>Nervous system</p> |

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| S.No.            | Year | Semester | Courses  | Content   |
| 3                |      | II       | Applied Sociology & Applied Psychology                 | <p><b>Applied Sociology</b><br/> Introduction .<br/> Social structure.<br/> Culture.<br/> Family and Marriage.<br/> Social stratification.social organization and disorganization.<br/> Clinical sociology.</p> <p><b>Applied Psychology</b><br/> Introduction<br/> Biological basis of behaviour<br/> Mental health and mental hygiene<br/> Developmental psychology<br/> Personality<br/> Cognitive process<br/> Motivation and emotional processes<br/> Psychological assessment and tests<br/> Application of soft skill<br/> Self-empowerment</p>  |
| 4                |      | II       | Applied Biochemistry and Applied Nutrition & Dietetics | <p><b>Applied Biochemistry</b><br/> Carbohydrates<br/> Lipids<br/> Proteins<br/> Clinical Enzymology<br/> Acid base maintenance<br/> Heme catabolism<br/> Organ function tests<br/> Immunochemistry</p> <p><b>Applied Nutrition &amp; Dieteries</b><br/> Introduction to Nutrition<br/> Carbohydrates<br/> Energy<br/> Proteins<br/> Fats<br/> Vitamins<br/> Minerals<br/> Balanced diet<br/> Nutritional deficiency disorders<br/> Therapeutic diets<br/> Cookery rules and preservation of nutrients<br/> Nutrition assessment and nutrition education<br/> National Nutritional Programmes and role of nurse</p> |

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| S.No.            | Year | Semester | Courses                                 | Content  |
| 5                |      | III      | Nursing Foundation I & II               | <p><b>Nursing Foundation 1:</b><br/> Introduction to Health and Illness<br/> Health Care Delivery Systems<br/> History and Scope of Nursing<br/> Communication and Nurse-Patient Relationship<br/> Documentation and Reporting<br/> Vital Signs<br/> Health Assessment<br/> Equipment and Linen Management<br/> Infection Control and Waste Management<br/> Comfort, Rest &amp; Sleep, and Pain Management<br/> Safety in Health Care Environment<br/> Admission, Transfer, and Discharge of Patients<br/> Mobility and Immobility<br/> Patient Education</p> <p><b>Nursing Foundation 2:</b><br/> Nursing Concepts and Skills<br/> Nursing Procedures<br/> Basic Nursing Care<br/> Health Promotion and Disease Prevention<br/> Emergency Care<br/> Medical-Surgical Nursing<br/> Pharmacology<br/> Mental Health Nursing</p> |
| 6                |      | III      | Health/Nursing Informatics & Technology | <p>Introduction to Computer Applications for Patient Care<br/> Delivery System and Nursing Practice<br/> Principles of Health Informatics<br/> Information Systems in Healthcare<br/> Shared Care &amp; Electronic Health Records<br/> Patient Safety &amp; Clinical Risk<br/> Clinical Knowledge &amp; Decision Making<br/> eHealth: Patients and the Internet<br/> Using Information in Healthcare Management<br/> Information Law &amp; Governance in Clinical Practice<br/> Healthcare Quality &amp; Evidence-Based Practice</p>   |

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| 7                | 2    | III      | Applied Microbiology and Infection Control including Safety                  | <p>Introduction</p> <p>General Characteristics of Microbes</p> <p>Pathogenic Organisms</p> <p>Immunity</p> <p>Hospital Acquired Infections (HAI)</p> <p>Isolation Precautions and Use of Personal Protective Equipment (PPE)</p> <p>Hand Hygiene</p> <p>Disinfection and Sterilization</p> <p>Specimen Collection (Review)</p> <p>Biomedical Waste Management &amp; Laundry Management</p> <p>Antibiotic Stewardship</p> <p>Patient Safety Indicators</p> <p>Incidents and Adverse Events</p> <p>International Patient Safety Goals (IPSG)</p> <p>Safety Protocols</p> <p>Employee Safety Indicators</p> <p>Healthcare Worker Immunization Program and Management of Occupational Exposure</p> |
| 8                |      | VI       | Adult Health Nursing I with Integrated Pathophysiology including BCLS module | <p>Introduction</p> <p>Intraoperative Care</p> <p>Nursing Management of Patients with Respiratory Problems</p> <p>Nursing Management of Patients with Gastrointestinal Disorders</p> <p>Nursing Management of Patients with Cardiovascular Problems</p> <p>Nursing Management of Patients with Hematological Disorders</p> <p>Nursing Management of Patients with Endocrine Disorders</p> <p>Nursing Management of Patients with Integumentary Disorders</p> <p>Nursing Management of Patients with Musculoskeletal Disorders</p> <p>Nursing Management of Patients with Communicable Diseases</p>   |

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| 9                |      | VI       | Pharmacology (I&II) & Pathology (I&II) (including Genetics)   | <b>Pharmacology I</b><br>Introduction to Pharmacology<br>Pharmacology of Antiseptics and Disinfectants<br>Pharmacology of Gastrointestinal Drugs<br>Pharmacology of Respiratory Drugs<br>Pharmacology of Cardiovascular Drugs<br>Pharmacology of Endocrine Drugs<br>Pharmacology of Dermatological Drugs<br>Pharmacology of Antimicrobials and Chemotherapy<br><b>Pharmacology II</b><br>Drugs for Ear, Nose, Throat, and Eye Disorders<br>Drugs Acting on the Urinary System<br>Drugs Acting on the Nervous System<br>Drugs for Hormonal Disorders, Contraception, and Medical Termination of Pregnancy<br>Drugs for Pregnant Women<br>Drugs for Deaddiction, Emergency, Poisoning, Vitamins, and Minerals |
| 10               |      | V        | Adult Health Nursing II with Integrated Pathophysiology including Geriatric Nursing & Palliative Care | Nursing Management of Ear, Nose, and Throat Disorders<br>Nursing Management of Eye Disorders<br>Nursing Management of Kidney and Urinary System Disorders<br>Nursing Management of Male Reproductive Disorders<br>Nursing Management of Burns and Cosmetic Surgeries<br>Nursing Management of Neurological Disorders<br>Nursing Management of Immunological Disorders<br>Nursing Management of Oncological Conditions<br>Nursing Management of Emergency and Disaster Situations<br>Nursing Care of the Elderly<br>Nursing Management of Critical Care Units<br>Nursing Management of Occupational and Industrial Health Disorders  |
| 11               |      | V        | Professionalism, Professional Values and Ethics including Bioethics Ex. Human Values                  |   |
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| S.No.            | Year | Semester | Courses   | Content  |
| 12               | 3    | IV       | Community Health Nursing I including Environmental Science & Epidemiology | Community Health Nursing Approaches, Concepts, Roles, and Responsibilities<br>Assisting Individuals and Families to Promote and Maintain Their Health<br>Introduction to Epidemiology<br>Communicable Diseases and National Health Programs<br>Non-Communicable Diseases and National Health Programs<br>Management of Common Conditions and Emergencies Including First Aid<br>Reproductive, Maternal, Newborn, Child, and Adolescent Health<br>School Health Services<br>Demography, Surveillance, and Interpretation of Data<br>Population and Its Control<br><b>Environmental Science</b><br>Environmental Science, Environmental Health, and Sanitation.<br>Environmental Health & Sanitation.<br>Nutrition Assessment and Nutrition Education.<br>Communication Management and Health Education. |
| 13               |      | IV       | Educational Technology/<br>Nursing Education                              | Introduction and Theoretical Foundations<br>Assessment and Planning<br>Implementation<br>Teaching in the Clinical Setting<br>Educational/Teaching Media<br>Assessment/Evaluation Methods/Strategies<br>Guidance/Academic Advising, Counseling, and Discipline<br>Ethics and Evidence-Based Teaching (EBT) in Nursing Education<br>Emerging Trends in Healthcare and Nursing Education  |
| 14               |      | IV       | Introduction to Forensic Nursing  |  |

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| S.No.            | Year | Semester | Courses                      | Content   |
| 15               |      | IV       | Child Health Nursing (I&II)  | <p><b>Child Health Nursing I</b><br/> Introduction to Modern Concepts of Child-Care<br/> The Healthy Child<br/> Nursing Care of Neonate<br/> Integrated Management of Neonatal and Childhood Illnesses (IMNCI)<br/> Nursing Management in Common Childhood Diseases<br/> Child Health Emergencies and CPR</p> <p><b>Child Health Nursing II</b><br/> Orthopedic Disorders, Eye, Ear, and Skin Disorders<br/> Communicable Diseases in Children<br/> Management of Behavioral and Social Problems in Children<br/> Management of Challenged Children<br/> Counseling and Education for Parents<br/> Pediatric Medical Ward<br/> Pediatric Surgical Ward<br/> Neonatal Intensive Care Unit (NICU) &amp; Pediatric Intensive Care Unit (PICU)</p>  |
| 16               |      | IIV      | Mental Health Nursing (I&II) | <p><b>Mental Health I</b><br/> Introduction to Mental Health Nursing<br/> Principles and Concepts of Mental Health Nursing<br/> Mental Health Assessment<br/> Therapeutic Communication and Nurse-Patient Relationship<br/> Treatment Modalities and Therapies Used in Mental Disorders<br/> Nursing Management of Patients with Schizophrenia and Other Psychotic Disorders<br/> Nursing Management of Patients with Mood Disorders<br/> Nursing Management of Patients with Neurotic, Stress-Related, and Somatisation Disorders<br/> Nursing Management of Patients with Substance Use Disorders<br/> Nursing Management of Patients with Personality, Sexual, and Eating Disorders<br/> Nursing Management of Behavioural &amp; Emotional Disorders in Childhood and Adolescence</p> <p><b>Mental Health II</b><br/> Nursing Management of Organic Brain Disorders<br/> Psychiatric Emergencies and Crisis Intervention<br/> Legal Issues in Mental Health Nursing<br/> Community Mental Health Nursing</p> |

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| S.No.            | Year | Semester | Courses                         | Content   |
| 17               |      | IIV      | Nursing Management & Leadership | Health Care and Development of Nursing Services in India<br>Management Basics Applied to Nursing<br>Planning Nursing Services<br>Organizing<br>Staffing (Human Resource Management)<br>Directing and Leading<br>Leadership<br>Controlling<br>Organizational Behavior and Human Relations<br>Financial Management<br>Nursing Informatics/Information Management<br>Personal Management<br>Establishment of Nursing Educational Institutions<br>Planning and Organizing Functions of a Nursing College<br>Staffing and Student Selection<br>Leadership and Management Activities in an Educational Organization<br>Legal and Ethical Issues<br>Professional Advancement |
| 18               |      |          | Ex. Menopausal Health           |   |
| 19               | 4    | IIV      | Community Health Nursing II     | Occupational Health<br>Geriatric Health Care<br>Mental Health Disorders<br>Health Management Information System (HMIS)<br>Delivery of Community Health Services<br>Leadership, Supervision, and Monitoring<br>Disaster Management<br>Bio-Medical Waste Management<br>Health Agencies  |
| 20               |      | IIIV     | Nursing Research & Statistics   | Introduction and need for nursing research<br>Definition of Research & nursing research<br>Steps of scientific method<br>Characteristics of good research<br>State the purposes and steps of Evidence Based Practice<br>Steps of Research process-overview<br>Evidence Based Practice: Concept, Meaning, Purposes, Steps of EBP Process and Barriers  |

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| S.No.            | Year | Semester | Courses  | Content  |
| 21               |      | IIIIV    | Midwifery/Obstetrics and Gynaecology (OBG) Nursing I &II   | <p><b>Midwifery/Obstetrics and Gynaecology (OBG) Nursing I</b></p> <p>History of midwifery in India<br/>           Current scenario: Midwifery in India - Transformative education for relationship-based and transformative midwifery practice in India, National health programs related to RMNCH<br/>           Current trends in midwifery and gynecology nursing: Respectful maternity and newborn care (RMNC)<br/>           Midwife led care units (MLCU)<br/>           Birthing centers, water birth, lotus birth<br/>           Essential competencies for basic midwifery practice (ICM)<br/>           Universal rights of child-bearing women<br/>           Sexual and reproductive health and rights<br/>           Legal provisions in midwifery practice in India: INC/MOH&amp;FW regulations<br/>           Ethical issues in maternal and neonatal care<br/>           Adoption laws, MTP act, Pre-Natal Diagnostic Test (PNDT) Act, Surrogate mothers<br/>           Roles and responsibilities of a midwife in different settings (hospital/community)</p> <p><b>Midwifery/Obstetrics and Gynaecology (OBG) Nursing II</b></p> <p>Recognition and Management of Problems During Pregnancy<br/>           Recognition of Deviations from the Normal and Management During Labour<br/>           Recognition and Management of Postnatal Problems<br/>           Assessment and Management of High-Risk Newborns<br/>           Assessment and Management of Gynecological Disorders<br/>           Family Planning and Family Welfare Programs</p> |
| 22               |      | IIIIV    | <p><b>Competency Assessment</b></p> <ul style="list-style-type: none"> <li>• Community Health Nursing</li> <li>• Adult Health Nursing</li> <li>• Child Health Nursing</li> <li>• Mental Health Nursing •</li> <li>Midwifery/OBG Nursing</li> </ul> |  |
| 23               |      | IIIIV    | Ex. Scientific Writing Skills  |  |