

નર્સિંગ ઓફિસર / પ્રિન્સિપાલ (જા.ક. ૦૫/૨૦૨૨-૨૩) ની પ્રાથમિક કસોટીનો અભ્યાસક્રમ

પ્રશ્નપત્ર-૧

માધ્યમ: ગુજરાતી

કુલ ગુણ : ૧૦૦

૧	ભારતની ભૂગોળ- ભૌગોલિક, આર્થિક, સામાજિક, કુદરતી સંસાધન અને વસ્તી અંગેની બાબતો- ગુજરાતના ખાસ સંદર્ભ સાથે
૨	ભારતનો સાંસ્કૃતિક વારસો- સાહિત્ય, કલા, ધર્મ અને સ્થાપત્યો- ગુજરાતના ખાસ સંદર્ભ સાથે
૩	ભારતનો ઇતિહાસ - ગુજરાતના ખાસ સંદર્ભ સાથે
૪	ભારતની અર્થવ્યવસ્થા અને આયોજન
૫	<p>ભારતીય રાજનીતિ અને ભારતનું બંધારણ:</p> <ol style="list-style-type: none">(૧) આમુખ(૨) મૂળભૂત અધિકારો અને ફરજો(૩) રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતો(૪) સંસદની રચના(૫) રાષ્ટ્રપતિની સત્તા(૬) રાજ્યપાલની સત્તા(૭) ન્યાયતંત્ર(૮) અનુસૂચિત જાતિ, અનુસૂચિત જનજાતિ અને સમાજના પછાત વર્ગો માટેની જોગવાઈઓ(૯) એટર્ની જનરલ(૧૦) નીતિ આયોગ(૧૧) પંચાયતી રાજ(૧૨) નાણા પંચ(૧૩) બંધારણીય તથા વૈધનિક સંસ્થાઓ- ભારતનું ચૂંટણી પંચ, સંઘ લોક સેવા આયોગ, રાજ્ય લોક સેવા આયોગ, કોમ્પ્ટ્રોલર એન્ડ ઓડિટર જનરલ; કેન્દ્રીય સતર્કતા આયોગ, લોકપાલ તથા લોકાયુક્ત અને કેન્દ્રીય માહિતી આયોગ
૬	સામાન્ય બૌદ્ધિક ક્ષમતા કસોટી
૭	સામાન્ય વિજ્ઞાન, પર્યાવરણ અને ઈન્ફર્મેશન એન્ડ કોમ્યુનિકેશન ટેકનોલોજી
૮	ખેલ જગત સહિત રોજબરોજના પ્રાદેશિક, રાષ્ટ્રીય અને આંતરરાષ્ટ્રીય મહત્વના બનાવો

Syllabus of Preliminary Test of <u>Nursing Officer / Principal, CI-II</u> Paper-1	
Medium: Gujarati	(Advt.No. 05/2022-23)
Total Marks- 100	
1	Geography of India- Physical, Economic, Social, Natural Resources and population related topics- with special reference to Gujarat
2	Cultural heritage of India- Literature, Art, Religion and Architecture- with special reference to Gujarat
3	History of India with special reference to Gujarat
4	Indian Economy and Planning
5	<u>Indian Polity and the Constitution of India:</u> (1) Preamble (2) Fundamental Rights and Fundamental Duties (3) Directive Principles of State Policy (4) Composition of Parliament (5) Powers of the President of India (6) Powers of Governor (7) Judiciary (8) Provisions for Scheduled Castes, Scheduled Tribes and backward classes of the society (9) Attorney General (10) NITI Aayog (11) Panchayati Raj Institutions (12) Finance Commission (13) Constitutional and Statutory Bodies: Election Commission of India, Union Public Service Commission, State Public Service Commission, Comptroller and Auditor General; Central Vigilance Commission, Lokpal and Lokayukta, Central Information Commission
6	General Mental Ability
7	General Science, Environment and Information & Communication Technology
8	Daily events of Regional, National and International Importance including Sports

Syllabus for Part-02 of the Preliminary Test for the recruitment on the post of

Nursing Officer/Principal, Class-II

(Advt.No. 05/2022-23)

Marks – 200

Questions – 200

Medium - English

1. APPLIED ANATOMY

Introduction to anatomical terms and organization of the human body, The Respiratory system, The Digestive system, The Circulatory and lymphatic system, The Endocrine system, The Sensory organs, The Musculoskeletal system: The skeletal system, The Muscular System, The Renal System, The Reproductive System, The Nervous system

2. APPLIED PHYSIOLOGY

General Physiology-Basic concepts, Respiratory system, Digestive system, Circulatory and lymphatic system, Blood, The endocrine system, The sensory Organs, Musculo-skeletal system, Renal system, The Reproductive System, Nervous system

3. APPLIED SOCIOLOGY

Introduction, Social structure, Culture, Family and Marriage, Social stratification, social organization and disorganization, Clinical sociology

4. APPLIED PSYCHOLOGY

Introduction, Biological basis of behaviour-Introduction, Mental health and mental hygiene, Developmental psychology, Personality, Cognitive process, Motivation and emotional processes, Psychological assessment and tests –introduction, Application of soft skill, Self-empowerment

5. NURSING FOUNDATIONS

Introduction to health and illness, Health Care delivery Systems: Introduction of basic concepts & meanings, History of Nursing and Nursing as a profession, Communication and Nurse patient relationship, Documentation and Reporting, Vital signs, Health assessment, Equipment and Linen, Introduction to Infection control in Clinical setting Infection, Introductory concept of Asepsis: Medical & Surgical

asepsis Precautions, Biomedical Waste management, Comfort, Rest & Sleep and Pain, Promoting Safety in Health Care Environment, Hospital Admission and discharge, Mobility and Immobility, Patient education, Hygiene, The Nursing Process: Assessment, Nursing Diagnosis, Planning, Implementation, Evaluation, Nutritional needs, Elimination needs, Diagnostic testing, Oxygenation needs, Fluid, Electrolyte, and Acid – Base Balances, Administration of Medications, Sensory needs, Care of Unconscious Patients, Care of Terminally ill, death and dying, Psychosocial Needs: Self-concept, Sexuality, Stress and Adaptation-Introductory concepts, Concepts of Cultural Diversity and Spirituality; Nursing Theories: Introduction, First Aid & Emergencies

6. APPLIED BIOCHEMISTRY

Carbohydrates, Lipids, Proteins, Clinical Enzymology, Acid base maintenance, Heme catabolism, Organ function tests (biochemical parameters & normal values only), Immunochemistry

7. APPLIED NUTRITION AND DIETETICS

Introduction to Nutrition: Nutrients, Food; Carbohydrates, Energy, Proteins, Fats, Vitamins, Minerals, Balanced diet, Nutrition across life cycle, Nutritional deficiency disorders, Therapeutic diets, Cookery rules and preservation of nutrients, Nutrition assessment and nutrition education, National Nutritional Programmes and role of nurse

8. INTRODUCTION TO COMMUNITY HEALTH NURSING

Concepts of Community Health and Community Health Nursing, Health Care Planning and Organization of Health Care at various levels, Environmental Science, Environmental Health and Sanitation, Nutrition Assessment and Nutrition Education, Food Borne Diseases and Food Safety, Food poisoning & food intoxication, Communication management and Health Education

9. APPLIED MICROBIOLOGY AND INFECTION CONTROL INCLUDING SAFETY

Introduction, General characteristics of Microbes, Pathogenic organisms, Immunity, HAI (Hospital acquired Infection), Isolation Precautions and use of Personal Protective Equipment (PPE), Hand Hygiene, Disinfection and sterilization,

Specimen Collection, BMW (Bio Medical Waste Management), Antibiotic, stewardship, Patient Safety Indicators, Incidents and adverse Events, IPSPG (International Patient safety Goals), Safety protocol, Employee Safety Indicator Healthcare Worker Immunization Program and management of occupational exposure

10. PHARMACOLOGY

Introduction to pharmacology, Pharmacology of commonly used antiseptics and disinfectants, Drugs acting on G.I system, Drugs acting on respiratory system, Drugs used in treatment of Cardiovascular system and blood disorders, Drugs used in treatment of endocrine system disorders, Drugs used in treatment of integumentary system, Drugs used in treatment of communicable diseases (common infections, infestations), Drugs used in disorders of ear, nose, throat & Eye, Drugs used on urinary system, Drugs acting on nervous system, Drugs used for hormonal, disorders and supplementation, contraception and medical termination of pregnancy, Drugs used for pregnant women during antenatal, labour and postnatal period, Miscellaneous, Introduction to drugs used in alternative systems of medicine

11. ADULT HEALTH NURSING WITH INTEGRATED PATHOPHYSIOLOGY INCLUDING GERIATRIC NURSING

Introduction, Intraoperative Care, Nursing care of patients with common signs and symptoms and management, Nursing Management of patients with respiratory problems, Nursing Management of patients with disorders of digestive system, Nursing Management of patients with cardiovascular problems, Nursing Management of patients with disorders of blood, Nursing management of patients with disorders of endocrine system, Nursing management of patients with disorders of Integumentary system, Nursing management of patients with musculoskeletal problems, Nursing management of patients with Communicable diseases. Nursing management of patient with disorders of Ear, Nose and Throat, Nursing management of patient with disorder of eye, Nursing management of patient with Kidney and Urinary problems, Nursing management of disorders of male reproductive system, Nursing management of patient with burns, reconstructive and cosmetic surgery, Nursing management of patient with neurological disorders, Nursing management of patients with Immunological problems, Nursing management of patient in Emergency and Disaster situations Disaster Nursing,

Nursing care of the elderly, Nursing management of patients in critical Care units, Nursing management of patients occupational and industrial disorders

12. EDUCATIONAL TECHNOLOGY IN NURSING EDUCATION

Introduction and theoretical foundations, Assessment and Planning, Curriculum Planning, Implementation, Teaching in the clinical setting: Teaching methods, Educational/Teaching media, Assessment/Evaluation, Methods/strategies, Guidance/academic advising, counseling and discipline, Ethics and Evidence Based Teaching (EBT) in nursing education, Emerging trends in healthcare and nursing education

13. CHILD HEALTH NURSING

Introduction: Modern concepts of child-care, The healthy child, Nursing care of neonate, Integrated management of neonatal and childhood illnesses, Nursing management in common childhood diseases: Respiratory system, Cardiovascular system, Gastro-intestinal system, Genitourinary urinary system, Nervous system, Endocrine system, Orthopedic disorders, Disorder of eye, ear and skin, Communicable diseases in children, Management of behavior and social problems in children

14. MENTAL HEALTH NURSING

Introduction, Principles and Concepts of Mental Health Nursing, Mental Health Assessment Therapeutic communication and nurse-patient relationship, Treatment modalities and therapies used in mental disorders: Physical therapies, Psychological Therapies, Psychosocial, Alternative & Complementary, Consideration for special populations, Nursing management of patient with Schizophrenia, and other psychotic disorders, Nursing process, Nursing management of patient with mood disorders, Nursing management of patient with neurotic, stress related and somatisation disorders, Nursing management patients with Substance use disorders, Nursing management of patient with Personality and Sexual disorders, Nursing management of Behavioural & Emotional disorders occurring during childhood and adolescence, Nursing management of organic brain disorders, Psychiatric emergencies and crisis intervention, Legal issues in Mental Health Nursing, Community Mental Health Nursing.

15. NURSING MANAGEMENT AND LEADERSHIP

Health care and development of nursing services in India, Management basics applied to Nursing, Introduction to Management process, Planning nursing services Organizing, Staffing (Human resource management), In-service education, Material resource management, Directing and leading, Leadership, Controlling, Organizational behavior and human relations, Financial management, Nursing informatics/Information Management, Personal Management, Establishment of Nursing educational institutions, Planning and organizing, Staffing and Student selection, Directing and controlling, Professional Considerations: Review: Legal and Ethical issues, Professional advancement

16. NURSING RESEARCH AND STATISTICS

Research and research Process, Research Problem/Question, Review of Literature, Research approaches and designs, Sampling and data Collection, Analysis of data, Introduction to statistics, Communication and utilization of Research

17. HEALTH AND NURSING INFORMATICS AND TECHNOLOGY

Introduction to computer applications for patient care delivery system and nursing practice, Principles of Health Informatics, Information Systems in Healthcare, Shared Care & Electronic Health Records, Patient Safety & Clinical Risk, Clinical Knowledge & Decision Making, eHealth: Patients and the Internet, Using Information in Healthcare Management, Information Law & Governance in Clinical Practice, Healthcare Quality & Evidence Based Practice

18. INTRODUCTION TO FORENSIC NURSING AND INDIAN LAWS

Forensic science, Violence, Forensic nursing, Forensic team, Comprehensive forensic nursing care of victim and family, Evidence preservation-role of nurses, Introduction of Indian constitution: Fundamental rights, Human rights commission; Sources of laws and law-making powers: Overview of Indian judicial system, Civil and criminal case procedures, Overview of POSCO Act

19. COMMUNITY HEALTH NURSING INCLUDING EPIDEMIOLOGY

Community health nursing approaches, concepts, roles and responsibilities of community health nursing personnel; Assisting individuals and families to promote

and maintain their health, Introduction to Epidemiology- Epidemiological Approaches, and Processes, Communicable diseases and National Health Programmes, Non-Communicable diseases and National Health programmes(NCD), Standard treatment protocols used in National Health Programmes, Management of common conditions and emergencies including first aid, Screening, diagnosing/identification, primary care and referral of : Gastrointestinal System, Respiratory System, Heart & Blood, Eye & ENT Conditions, Urinary System; First aid in common emergency conditions, Reproductive, maternal, newborn, child and adolescent Health: Antenatal care, Intra natal care, Postpartum care, Newborn and child care, Adolescent Health; National programmes, School Health Services, Demography, Surveillance and Interpretation of Data, Population and its Control, Occupational Health, Geriatric Health Care, Mental Health Disorders, Health Management Information System (HMIS), Delivery of community health services, Leadership, Supervision and Monitoring, Records & Reports, Disaster Management, Bio-Medical Waste Management, Health agencies- International, National; Voluntary Health Association of India(VHA)

20. MIDWIFERY / OBSTETRIC AND GYNECOLOGY NURSING

Introduction to midwifery, Maternal, Fetal & Newborn physiology, Anatomy and physiology of human reproductive system and conception, Assessment and management of normal pregnancy(ante-natal)-Pre pregnancy Care, Pregnancy assessment and antenatal care (I, II & III Trimesters) Physiology, management and care during labour Review of -First Stage, Second stage, Third Stage, Fourth Stage- Care during 4th Stage of labour, Postpartum care/Ongoing care of women, Assessment and ongoing care of normal neonates, Recognition and Management of problems during Pregnancy, Recognition of deviations from the normal and management during labour, Recognition and Management of postnatal problems, Assessment and management of High-risk newborn, Assessment and management of women with gynecological disorders, Family planning and family welfare programs, Family welfare services

21. Indian Nursing Council Act, 1947.

22. Current Trends and Recent Advancement in the Field of Nursing.