

ભાગ-૧ અને ભાગ-૨ ના પ્રશ્નપત્રોની પ્રાથમિક કસોટીનો અભ્યાસક્રમ

સીધી પસંદગીથી ભરતીની પ્રાથમિક કસોટીનો અભ્યાસક્રમ ભાગ-૧ (સામાન્ય અભ્યાસ)		
માધ્યમ: ગુજરાતી		કુલ ગુણ : ૧૦૦
મુદ્દા	વિષય	ગુણ
૧	ભારતની ભૂગોળ- ભૌગોલિક, આર્થિક, સામાજિક, કુદરતી સંસાધન અને વસ્તી અંગેની બાબતો- ગુજરાતના ખાસ સંદર્ભ સાથે	૩૦
૨	ભારતનો સાંસ્કૃતિક વારસો- સાહિત્ય, કલા, ધર્મ અને રચાપત્યો- ગુજરાતના ખાસ સંદર્ભ સાથે	
૩	ભારતનો ઇતિહાસ- ગુજરાતના ખાસ સંદર્ભ સાથે	
૪	ભારતની અર્થવ્યવસ્થા અને આયોજન	
૫	ભારતીય રાજનીતિ અને ભારતનું બંધારણ: (૧) આમુખ (૨) મૂળભૂત અધિકારો અને હુકમો (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) નીતિ આયોગ (૧૦) બંધારણીય તથા વૈદ્યાનિક સંસ્થાઓ- ભારતનું ચૂંટણી પંચ, કોમ્પ્યુટર એન્ડ ઓડિટર જનરલ, માહિતી આયોગ	
૬	સામાન્ય વિજ્ઞાન, પર્યાવરણ અને ઇન્ફર્મેશન એન્ડ કોમ્યુનિકેશન ટેકનોલોજી	૧૦
૭	ખેલ જગત સહિત રોજબરોજના પ્રાદેશિક, રાષ્ટ્રીય અને આંતરરાષ્ટ્રીય મહત્વના બનાવો	૧૦
૮	સામાન્ય બૌદ્ધિક ક્ષમતા કસોટી (૧) તાર્કિક અને વિશ્લેષણાત્મક ક્ષમતા (૨) સંખ્યાઓની શ્રેણી સંકેત અને તેનો ઉકેલ. (૩) સંબંધ વિષયક પ્રશ્નો. (૪) આકૃતિઓ અને તેના પેટા વિભાગ, વેન આકૃતિઓ (૫) ઘડીયાળ, કેલેન્ડર અને ઉમર સંબંધિત પ્રશ્નો. (૬) સંખ્યા વ્યવસ્થા અને તેના માનક્રમ. (૭) શૈક્ષિક સમીકરણ (એક કે બે ચલમાં) (૮) પ્રમાણ, હિસ્સો અને ચલ. (૯) સરેરાશ યા મધ્યક, મધ્યસ્થ અને બહુલક, ભારિત સરેરાશ. .	૩૦

	<p>(૧૦) ઘાત અને ઘાતાંક, વર્ગ, વર્ગમૂળ, ઘનમૂળ, ગુ.સા.અ. અને લ.સા.અ</p> <p>(૧૧) ટકા, સાદુ અને ચક્રવૃદ્ધિ વ્યાજ, નહો અને નુકશાન.</p> <p>(૧૨) સમય અને કાર્ય, સમય અને અંતર, ઝડપ અને અંતર.</p> <p>(૧૩) સરળ ભૌતિક આકૃતિઓના ક્ષેત્રફળ અને પરિમિતિ, જથ્થો અને સપાટીનો વિસ્તાર (છ સમાંતર બાજુ ધરાવતો ઘન, ઘન, સિલિન્ડર, શંકુ આકાર, ગોળાકાર).</p> <p>(૧૪) રેખા, ખૂણા અને સામાન્ય ભૌમિતિક આકૃતિઓ-સાદી કે ત્રાંસી સમાંતર રેખાઓના ગુણધર્મો, ત્રિકોણની સાપેક્ષ બાજુઓના માપનના ગુણધર્મો, પાચથાગોરસનો પ્રમેય, ચતુર્ભૂજ, લંબગોળ, સમાંતર બાજુ ચતુષ્કોણ, સમભૂજ ચતુષ્કોણ.</p> <p>(૧૫) બીજગણિતનો પરિચય-BODMAS-કાનાભાગવચો-વિચિત્ર પ્રતિકોની સરળ સમજૂતિ.</p> <p>(૧૬) માહિતીનું અર્થઘટન, માહિતીનું વિશ્લેષણ, માહિતીની પર્યાપ્તતા, સંભાવના</p>	
૯	<p>ગુજરાતી વ્યાકરણ</p> <p>(૧) જોડણી</p> <p>(૨) સમાનાર્થી-વિરુદ્ધાર્થી શબ્દો</p> <p>(૩) રૂઢિપ્રયોગો અને કહેવતો</p> <p>(૪) સમાસ</p> <p>(૫) સંધિ</p> <p>(૬) અલંકાર</p> <p>(૭) છંદ</p>	૧૦
૧૦	<p>English Grammar</p> <p>(1) Articles, Pronouns, Adjectives, Prepositions, Conjunctions and Question tag.</p> <p>(2) Verb and Tense, Agreement between subject and verb, Gerund, Participles.</p> <p>(3) Modal auxiliaries. Usage of can, may, could, should, etc.</p> <p>(4) Use of some, many, any, few, a little, Since and for.</p> <p>(5) Active and passive voice</p> <p>(6) Degrees of adjectives.</p> <p>(7) Common errors of usage.</p>	૧૦

❖ મુદ્દા ક્રમાંક ૮ થી ૧૦ માટેનો અભ્યાસક્રમ ધોરણ ૧૨ સમકક્ષ રહેશે.

**Syllabus for Preliminary Test for Recruitment by Direct Selection  
Part-1 (General Studies)**

**Medium: Gujarati**

**Total Marks: 100**

Point No.	Subject	Marks
1	Geography of India – Geographical, Economic, Social, Natural Resources and Population related topics – With Special reference to Gujarat	30
2	Cultural Heritage of India – Literature, Arts, Religion and Architecture - With Special reference to Gujarat	
3	History of India- With Special reference to Gujarat	
4	Indian Economy and Planning	
5	Indian Politics and Constitution of India: (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 Casts, Scheduled Tribes and Backward Classes of the society (9) NITI Aayog (10) Constitutional and Statutory Bodies: Election Commission of India, Comptroller and Auditor General, Information Commission	
6	General Science, Environment and Information & Communication Technology	10
7	Daily events of Regional, National and International Importance including Sports	10
8	General Mental Ability Test (1) Logical Reasoning and Analytical Ability (2) Number Series, Coding-Decoding (3) Questions about relationship. (4) Shapes and their Sub-sections, Venn Diagram (5) Questions based on Clock, Calendar and Age (6) Number system and order of Magnitude (7) Linear Equations - in one or two Variables (8) Ratio, Proportion and Variation (9) Average of Mean, Median, Mode- including weighted Mean (10) Power and Exponent, Square, Square Root, Cube Root, H.C.F. & L.C.M. (11) Percentage, Simple and Compound Interest, Profit and Loss (12) Time and Work, Time and Distance, Speed and Distance (13) Area and Perimeter of Simple Geometrical Shapes, Volume and Surface Area of Sphere, Cone, Cylinder, Cubes and Cuboids	30

	<p>(14) Lines, Angles and Common geometrical figures - properties of transverse or parallel lines, properties related to measure sides of a triangle, Pythagoras theorem, quadrilateral, rectangle, Parallelogram and rhombus.</p> <p>(15) Introduction to algebra-BODMAS, simplification of weird Symbols.</p> <p>(16) Data interpretation, Data Analysis, Data sufficiency, Probability</p>	
9	<p><b>Gujarati Grammar</b></p> <p>(૧) જેડણી</p> <p>(૨) સમાનાર્થી-વિરુદ્ધાર્થી શબ્દો</p> <p>(૩) રૂઢિપ્રયોગો અને કહેવતો</p> <p>(૪) સમાસ</p> <p>(૫) સંધિ</p> <p>(૬) અલંકાર</p> <p>(૭) છંદ</p>	10
10	<p><b>English Grammar</b></p> <p>(1) Articles, Pronouns, Adjectives, Prepositions, Conjunctions and Question tag.</p> <p>(2) Verb and Tense, Agreement between subject and verb, Gerund, Participles.</p> <p>(3) Modal auxiliaries. Usage of can, may, could, should, etc.</p> <p>(4) Use of some, many, any, few, a little, Since and for.</p> <p>(5) Active and passive voice</p> <p>(6) Degrees of adjectives.</p> <p>(7) Common errors of usage.</p>	10

- ❖ The standard of the syllabus for point no. 8 to 10 will be equivalent to Standard 12.

**Part-2**  
**Syllabus for the Preliminary Test for the Recruitment**  
**of Deputy Nursing Superintendent,Class-II**  
**(Gujarat Nursing Service)(Advt.No.-103/2024-25)**

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 behavior-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**

**Nursing Foundations I** :- 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. **Nursing Foundations II** :- 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, IPSG (International Patient safety Goals), Safety protocol, Employee Safety Indicators, Healthcare Worker Immunization Program and management of occupational exposure.

## **10. PHARMACOLOGY**

**Pharmacology I** :- 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). **Pharmacology II** :- 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**

**Adult Health Nursing with Integrated Pathophysiology- I** :- 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. **Adult Health Nursing with Integrated Pathophysiology- II Including Geriatric Nursing** :- 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 malereproductive 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 with Oncological conditions, 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**

**Child Health Nursing I** :- 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. **Child Health Nursing II** :- Orthopedic disorders, Disorder of eye, ear and skin, Communicable diseases in children, Management of behavior and social problems in children.

## **14. MENTAL HEALTH NURSING**

**Mental Health Nursing I** :- 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. **Mental Health Nursing II** :- 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 Studentselection, Directing and controlling, Professional Considerations: Review: Legal andEthical 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, e-Health: Patients and the Internet, UsingInformation 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, Civil and criminal case procedures, Overview of POSCO Act

**19. COMMUNITY HEALTH NURSING**

**Community Health Nursing Including Epidemiology -I :-** 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. **Community Health Nursing-II** :- 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- I**

**Midwifery/ Obstetric and Gynecology Nursing- I** :- 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. **Midwifery/ Obstetric and Gynecology Nursing- II** :- 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. The National Nursing and Midwifery Commission Act, 2023**

**22. Current Trends and Recent Advancement in the above Fields.**