



मिरा भाईंदर महानगरपालिका

स्व इंदिरा गांधी भवन, मुख्य कार्यालय, छत्रपती शिवाजी महाराज मार्ग,
भाईंदर (प.), ता.जि. ठाणे, 401 101.
दुरध्वनी क्र. 28192828/28193087.



स्वातंत्र्याचा अमृत महोत्सव

जा.क्र.मनपा/आस्था/1600/2025-26

दि. 26 / 08 / 2025

प्रति,
सिस्टिम मॅनेजर,
संगणक विभाग
मिरा भाईंदर महानगरपालिका.

विषय :- मिरा भाईंदर महानगरपालिकेच्या पदभरती करीता 27 संवर्गातील पदांसाठी संबंधीत विभागाने निश्चित केलेला अभ्यासक्रम संकेतस्थळावर प्रसिध्द करणेबाबत.

मिरा भाईंदर महानगरपालिका आस्थापनेवरील गट-क संवर्गातील 358 रिक्त पदांची सरळसेवेने पदभरती करणेबाबत मा.आयुक्त महोदय यांनी दि.20/08/2025 रोजी मान्यता दिलेली आहे. त्यानुसार दि.22/08/2025 रोजी पदभरतीची जाहीरात संकेतस्थळावर प्रसिध्द करण्यात आलेली आहे.

तरी मिरा भाईंदर महानगरपालिकेच्या पदभरती करीता 27 संवर्गातील पदांसाठी संबंधीत विभागाने निश्चित केलेला अभ्यासक्रम महानगरपालिकेच्या संकेतस्थळावर प्रसिध्द करण्यात यावा.

(कल्पिता पिपळे)

उप-आयुक्त (मुख्यालय)
मिरा भाईंदर महानगरपालिका

सोबत -

27 संवर्गातील पदांसाठी संबंधीत विभागाने निश्चित केलेला अभ्यासक्रम



मिरा भाईंदर महानगरपालिका
स्व इंदिरा गांधी भवन, मुख्य कार्यालय, छत्रपती शिवाजी
महाराज मार्ग, भाईंदर (प.), ता.जि. ठाणे, 401 101.
दुरध्वनी क्र. 28192828/28193087.



Syllabus for General section of all the posts

Marathi	व्याकरण सर्वसामान्य शब्दसंग्रह म्हणी आणि वाक्यप्रचार यांचा अर्थ आणि उपयोग उताऱ्यावरील प्रश्नांची उत्तरे वाक्य पृथःकरण व त्याचे प्रकार
English	Grammar Common Vocabulary Sentences Structure Idioms and phrases and their meaning Comprehension of Passage Sentence Arrangement and Error Correction
General Knowledge	चालू घडामोडी व सामान्य ज्ञान महाराष्ट्राचा इतिहास व भूगोल राज्यघटना महाराष्ट्राचे व भारताचे नागरीकरण अद्ययावत तंत्रज्ञान पर्यावरण समस्या वारसा स्थळे पर्यटन ऊर्जा संवर्धन व हरीत बांधकाम सामान्य विज्ञान घनकचरा व्यवस्थापन
Reasoning	Interpretation of Data and Graphs Directions Arithmetical reasoning Statements and Arguments Decision Making Statements and Conclusion Analogy Calendars Blood Relation Number Series



मिरा भाईदर महानगरपालिकेच्या पदभरती करिता 26 संवर्गातील पदांसाठी संबंधित विभागाने निश्चित केलेला अभ्यासक्रम

अ.क्र.	पद	निश्चित केलेला अभ्यासक्रम
1.	कनिष्ठ अभियंता (स्थापत्य) गट - क Junior Engineer (Civil), Group C	Building Materials, Surveying, Engineering Mechanics Environmental Engineering, Soil Mechanics, Irrigation Engineering, Hydraulics, Quantity Surveying, The Design of Structures, Transportation Engineering, Estimation & Material Testing etc.
2.	कनिष्ठ अभियंता (मेकॅनिकल) Junior Engineer (Mechanical), Group C	Engineering Mechanics, Computer Integrated Manufacturing, Mechanics of Materials, Machine Design Metrology and Inspection, Theory of Machines, Fluid Mechanics, Refrigeration and Air- Conditioning, Production Planning and Control, Casting, Forming and Joining Processes, Machining and Machine Tool Operations, Heat - Transfer, Thermodynamics, Power Engineering, Turbo - machinery, Engineering Materials I. C. Engines, Operations Research, Vibrations, Inventory Control etc.
3.	कनिष्ठ अभियंता (विद्युत) Junior Engineer (Electrical), Group C	Electrical Engineering : Basic concepts : Concepts of resistance, inductance, capacitance, and various factors affecting them. Concepts of current, voltage, power, energy and their units. Circuit law : Kirchoff's law, Simple Circuit solution using network theorems. Magnetic Circuit : Concepts of flux, mmf, reluctance, Different kinds of magnetic materials, Magnetic calculations for conductors of different configuration e.g. straight, circular, solenoidal, etc. Electromagnetic induction, self and mutual induction. AC Fundamentals: Instantaneous, peak, R.M.S. and average values of alternating waves, Representation of sinusoidal wave form, simple series and parallel AC Circuits consisting of R.L. and C, Resonance, Tank Circuit. Poly Phase system - star and delta connection, 3 phase power, DC and sinusoidal response of R-L and R-C circuit. Measurement and measuring instruments: Measurement of power (1 phase and 3 phase, both active and re-active) and energy, 2 wattmeter method of 3 phase power measurement. Measurement of frequency and phase angle. Ammeter and voltmeter (both moving oil and moving iron



type), extension of range wattmeter, Multimeters, Megger, Energy meter AC Bridges. Use of CRO, Signal Generator, CT, PT and their uses. Earth Fault detection.

Electrical Machines : (a) D.C. Machine - Construction, Basic Principles of D.C. motors and generators, their characteristics, speed control and starting of D.C. Motors. Method of braking motor, Losses and efficiency of D.C. Machines. (b) 1 phase and 3 phase transformers - Construction, Principles of operation, equivalent circuit, voltage regulation, O.C. and S.C. Tests, Losses and efficiency. Effect of voltage, frequency and wave form on losses. Parallel operation of 1 phase /3 phase transformers. Auto transformers. (c) 3 phase induction motors, rotating magnetic field, principle of operation, equivalent circuit, torque-speed characteristics, starting and speed control of 3 phase induction motors. Methods of braking, effect of voltage and frequency variation on torque speed characteristics.

Fractional Kilowatt Motors and Single Phase Induction Motors: Characteristics and applications.

Synchronous Machines - Generation of 3-phase e.m.f. armature reaction, voltage regulation, parallel operation of two alternators, synchronizing, control of active and reactive power. Starting and applications of synchronous motors.

Generation, Transmission and Distribution - Different types of power stations, Load factor, diversity factor, demand factor, cost of generation, inter-connection of power stations. Power factor improvement, various types of tariffs, types of faults, short circuit current for symmetrical faults. Switchgears - rating of circuit breakers, Principles of arc extinction by oil and air, H.R.C. Fuses, Protection against earth leakage / over current, etc. Buchholtz relay, Merz-Price system of protection of generators & transformers, protection of feeders and bus bars. Lightning arresters, various transmission and distribution system, comparison of conductor materials, efficiency of different system. Cable - Different type of cables, cable rating and derating factor.

Estimation and costing : Estimation of lighting scheme, electric installation of machines and relevant IE rules.



		Earthing practices and IE Rules. Utilization of Electrical Energy : Illumination, Electric heating, Electric welding, Electroplating, Electric drives and motors. Basic Electronics : Working of various electronic devices e.g. P N Junction diodes, Transistors (NPN and PNP type), BJT and JFET. Simple circuits using these devices.
4.	लिपीक टंकलेखक, गट-क Clerk cum Typist, Group C	As no Technical subject in this post, so the common syllabus will be applicable for this Post.
5.	सर्वेअर, गट-क Surveyor, Group - C	Tools & equipment's, Scales, Geometrical Construction, Classification of Survey, Signs & Symbols, Chain Survey, Compass Survey, Plane table Survey, Leveling, Contouring, Theodolite Survey, Tachometry & Triangulation, Curves, Land Records documents i.e. 7x12 abstract, property card, Gut book. CTS Plan, Tikkas Sheet 7/12 extract, K.G.P., AUTOCAD
6.	प्लंबर, गट-क Plumber, Group C	1. Introduction to Plumbing 2. Plumbing Safety 3. Pipe Material & Fitting 4. Blue Print Reading 5. Water Supply System 6. Fixtures Installation 7. Maintenances & Repairs
7.	फिटर, गट-क Fitter, Group C	1. Engineering Drawing 2. Work Shop Science 3. Engineer Mathematics 4. Fitting Shop Operation 5. Welding & Fabrication 6. Metrology & Quality Control 7. Machine Tool Maintenance
8.	मिस्त्री, गट-क Mistry, Group C	1) Pump Maintenances 2) Safety Procedures 3) Pump Testing & Efficiency 4) Introduction to Pump Operations
9.	पंप चालक, गट-क Pump Operator, Group C	1. Pump Maintenances 2. Safety Procedures 3. Pump Testing & Efficiency 4. Introduction to Pump Operations
10.	अनुरेखक, गट-क	UNIT-1: BASIC ENGINEERING



Tracer, Group C

Lettering, Lines, dimensioning, symbols, construction of scales, types of projections.

UNIT-2: CONSTRUCTION MATERIALS AND CONSTRUCTION

PRACTICE: Brick, stone, cement, lime, sand, timber, steel, clay products, mortar, concrete, foundation, brick masonry, stone masonry floors & flooring, roof and roof covering, stairs, doors and windows, damp proofing course, pointing, plastering, lintel, arches, scaffolding. All Types of carpentry Joints, Prepare Layout drawing for Electrical works.

UNIT-3: SURVEY: Chain survey, compass survey, levelling, theodolite survey, contours. Plane Table Survey - Modern Survey

- Total station, GPS. Technical Terms in Total Station - Adjustment and co-ordinate measurement - Open traverse and Closed traverse, Calculate surface area. GPS (Global Positioning System) - Practical application of GPS - Components of GPS - GPS segment organisation

UNIT-4: BUILDING PLAN LAYOUT Principle of planning- Orientation of Building - Local Building by Laws as per code - Lay out site and key plan-Making plan and elevation and Section of building - Approved Drawing.

UNIT-5: AUTO CAD Create object on using Auto CAD. Plotting of drawing from CAD-2D drafting of building plan - Elevation and Section and other Building details - Design Lay out of Furniture Electrical appliance and plumbing sanitary fittings - Basic 3D drawing.

UNIT-6: REINFORCED CEMENT CONCRETE (RCC) Selection of materials - Details of reinforcement - One way slab and two way slab, RCC, Column, Beam details - Safety against earthquake - Grade of cement - Bar bending schedule - Details of Steel Roof Trusses.

UNIT-7: TRANSPORTATION ENGINEERING Roads - Roads



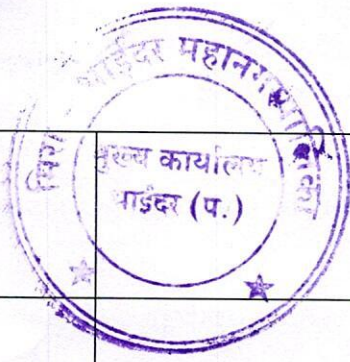
		<p>Technical Terms and uses of Roads - Cross section of different types of Road - Road curves and gradient, General principles of alignment - Road drainage System - Bridges and culvert - Different types of culvert & Bridges - Railway - Technical Terms and uses - Cross Section of Railway track - Types of gauges and rails.</p> <p>UNIT-8: PUBLIC HEALTH AND SANITATION Various pipe joints - Types of Sanitary fittings - Manholes and Septic tank - Water Supply system - Over head tank - Preparation of Service plan, Drainage plan, Sewer System - Flow diagram of water treatment plant - Terms used in Public Health - Types of Sewer.</p> <p>UNIT-9: IRRIGATION Technical terms used in irrigation - Types of cross drainage work - Types of Reservoir.</p> <p>UNIT-10: ESTIMATE AND COSTING. Prepare details estimate for each items and Abstract - Rate analysis.</p>
11.	विजतंत्री, गट-क Electrician, Group C	<ol style="list-style-type: none"> 1. Electric Circuits 2. Safety Procedures 3. Wiring System 4. Electrical Cods
12.	संगणक प्रोग्रामर, गट- क System Programer, Group C	<p>Esd Electricity, wmp.em, maths, pps, epc.data structure, dbms, digital logic, computer architecture, operating system, computer network, computer graphics, data algorithm. Microprocessor, theory of computer science, intelligent systems, advanced dbms, soft skills. Cryptography & System Security, system Programming & Compiler Construction, Software engineering, Professional elective, open elective Software Architecture, Open elective, finance Management, Project Distributed Computing, Professional Elective, Open Elective Java Oracle, dot net, open source Technology and My sql.</p>
13.	स्वच्छता निरीक्षक, गट-क Sanitary Inspector, Group C	<p>Environmental Sanitation : Water, Liquid Waste Disposal, Sewage Disposal , Solid Waste Disposal, Air, Sanitary Engineering : Soil Sanitation, Control Of Biological Environment, Identification, Sanitation Measures In Fairs Housing Communicable & Non-Communicable Diseases : Communicable Diseases, Immunity & Immunisation, Diseases,</p>



	माईला (प.)	Disinfection & Sterilisation, Diseases of skin Personal Hygiene : Maintenance, Environmental Health, HIV/AIDS, Food sanitation Health & Death Statistics : Health Statistics, Health Survey, Public Health Acts, Health Education, Group Meetings Types of Garbage Processing of Dry & Wet Waste, Biogas Project, MRF Waste Segregation, Collection and Transportation in Urban Area, Hazardous Waste.
14.	चालक यंत्रचालक गट-क Driver cum Operator, Group C (Fire Services)	Water Tender :- a) Types of Water Tender. b) Essential Features of Water tender. c) Design & Construction d) Electrical System e) Power Take off f) Primer g) Control Panel Ladder :- a) Types of Ladder b) Use of Ladder c) Construction of Ladder d) Standard Test of Ladder e) Parts of Ladder Pump :- a) Type of Pump b) Capacity c) Use in fire service Foam & Foam Equipment :- a) Types of Foam Equipment b) Uses on Different Fire
15.	सहायक अग्निशमन केंद्र अधिकारी - गट-क Assistant Fire Station Officer, Group C	1. Plan reading for fire prevention. 2. Detail Knowledge of NBC Part III & IV. 3. Designing of Vehicles for fire. 4. Administrative Knowledge of Fire department working. 5. Budget Preparation. 6. Implementation of Maharashtra fire



		<ol style="list-style-type: none">7. Practical fireman ship & supervisory role at fire ground. prevention of fire safety act.8. Fire Ground operation & knowledge about fire pump, PTO, A.L.P., TTL9. Basic Knowledge about disaster management.10. Fire Engineering Fundamentals: Chemistry of Fire, Combustion process, Limits of Flammability, flame Spread, Effects of Heat, Fire Resistance, Fire Load etc.11. Fire Fighting Chemicals: Water, Foam, DCP, Clean agents etc.12. Fire Detection & Control: fire Detection principles, Classification of detectors, Fire Extinction methods, water based, chemical based, clean agent systems, operation and maintenance of detection/ alarm systems13. Fire Codes and Standards: Standards for Fire14. Paramedics /First Aid: Management of Burns, Equipment, Personal Safety equipment etc.15. Safety Management: Goals & Need of Safety, Accident Prevention, Accident Investigation, Personal Protection equipment etc.16. Safety in Construction: Safety in welding & gas cutting, excavations, work at height, electrical, material handling, lifting/hoisting etc.
16.	अग्निशामक, गट-क Fireman, Group C	Discipline, General fire causes and extinguishing methods, Media, Class of fire, Tetrahedron of fire, Fire extinguishers, Maintenance and test general description of firefighting equipment, Fire tenders, Coal and gas fires, Electrical fires, Special rescue methods etc.
17.	उद्यान अधीक्षक, गट-क Garden Superintendent, Group C	Horticulture, Styles of Gardening, Lawn Development, Roadside plantation of trees/shrubs. Flowering shrubs, Hedges, Annual flowers, Topiary, Indoor and outdoor potted plants, Propagation of roses , Chrysanthemum, Dahlia, Bougainvillea, Ground Covers, Medicinal Plants, Scented Shrubs/ Trees, Propagation, Plant Protection, Nursery



		management, Routine Garden operations, Features of the garden, Floral ornaments and Flower Arrangements.
18.	लेखापाल गट-क Accountant, Group C	Trading and Profit & Loss Accounts & Balance Sheet, Self Balancing Ledgers and Sectional Balancing, Bills of Exchange, Depreciation Reserve & Provisions, Capital & Revenue, Receipts & Payments, Income & Expenditure Account, Double Account System, Branch and Departmental Accounts, Rectification of Errors, Bank Reconciliation statement, Balance Sheet Formats & Classification, Accounts, Financial Management, Company Laws, Auditing, Taxation-Direct/ Indirect, Commercial Laws, Cost Accounting, Ind AS
19.	डायलिसिस तंत्रज्ञ Dialysis Technicians, Group C	<ol style="list-style-type: none">Anatomy and Physiology: Focus on the renal system, understanding kidney function, and related body systems.Medical Terminology: familiarity with terms commonly used in nephrology and dialysis settings.Dialysis Principles: basics of hemodialysis and peritoneal dialysis techniques, equipment, and procedures.Infection Control: knowledge of infection prevention protocols and hygiene practices crucial in dialysis settings.Patient Care: monitoring patients during dialysis, recognizing and responding to complications, and ensuring patient comfort.Water Treatment: understanding of the water treatment process, as water quality is critical in dialysis.Equipment Maintenance: knowledge of maintaining and troubleshooting dialysis equipment.Regulatory Compliance: relevant regulations and standards governing dialysis care.
20.	बालवाडी शिक्षिका , गट-क Pre-Primary Teacher, Group C	As no Technical subject in this post, so the common syllabus will be applicable for this Post.
21.	अधिपरिचारिका, गट-क Staff Nurse, Group C	<ol style="list-style-type: none">Basic Nursing Skills: fundamental nursing procedures,



- such as patient assessment, medication administration, and wound care.
2. **Patient Care and Safety:** providing safe and quality patient care, infection control practices, and patient safety protocols.
 3. **Medical-Surgical Nursing:** common diseases, pre- and post-operative care, and medication management.
 4. **Critical Thinking and Problem-Solving:** to analyze situations, prioritize care, and make informed decisions in various healthcare scenarios.
 5. **Communication and Interpersonal Skills:** communication skills, both with patients and the healthcare team, emphasizing effective and empathetic communication.
 6. **Professionalism and Ethics:** ethical nursing practices, maintaining patient confidentiality, and adhering to professional standards.
 7. **Technology and Documentation:** familiarity with healthcare technologies and their ability to accurately and efficiently document patient information.
 8. **Obstetric and Gynecological Nursing :** knowledge of pregnancy, childbirth, postpartum care, and women's health.
 9. **Neonatal Care :** understanding of newborn care, including assessments, feeding, and common neonatal conditions.
 10. **Antenatal and Postnatal Education :** providing education to expecting and new mothers about prenatal care, breastfeeding, and postpartum health.
 11. **Labor and Delivery Management:** knowledge of managing labor, recognizing complications, and assisting with deliveries.
 12. **Women's health Issues:** family planning, reproductive Health, and gynecological conditions.
 13. **Patient Advocacy :** ability to advocate for patient, respecting their choices and ensuring informed decision-making.



		<p>14. Community Health Nursing; Health Promotion, Nutrition ; Human Body & Hygiene; Environmental Sanitation, Mental Health, Communicable Diseases, Community health problems; Primary medical care, First aid and referral Child Health Nursing, Health Centre Management, Midwifery, Antenatal ward;, Neonatal care unit, RCH Program, Immunization Program. Biomedical waste management rules, Administrative Work.</p> <p>15. Emergency Response: knowledge of responding to medical emergencies, including basic life support and awareness of emergency protocols. Response to obstetric emergencies and knowledge of emergency protocols.</p>
22.	<p>प्रसविका, गट-क Auxiliary Nurse Midwife (ANM), Group C</p>	<p>1. Maternal and Child Health: knowledge of antenatal care, postnatal care, family planning, and child health.</p> <p>2. Community Health: understanding of community healthcare practices, including preventive healthcare, immunizations, and health education.</p> <p>3. Basic Nursing Skills: fundamental nursing procedures, such as vital sign assessment, administering basic medications, and wound care.</p> <p>4. Reproductive Health and Family Planning: knowledge of reproductive health issues and their ability to provide family planning counseling and services.</p> <p>5. Immunization and Preventive Care: familiarity with immunization schedules, preventive healthcare measures, and the promotion of healthy behaviors within the community.</p> <p>6. Communication Skills: ability to communicate effectively with community members, promoting health awareness and compliance with healthcare advice.</p> <p>7. Emergency Response in Community Settings: ability to respond to health emergencies in a community environment and coordinate with other healthcare providers.</p> <p>8. Documentation and Reporting: understanding of proper record-keeping, reporting procedures, and documentation requirements at the primary health center.</p> <p>9. Biomedical waste management rules, Administrative Work.</p>
23.	<p>औषध निर्माण अधिकारी, गट-क</p>	<p>1. Pharmacology: knowledge of drugs, including classifications, mechanisms of action, and common side effects.</p>



	Pharmacy Officer, Group C	<ol style="list-style-type: none"> 2. Pharmacy Management: understanding of pharmaceutical inventory management, procurement processes, and adherence to regulatory requirements. 3. Dispensing and Compounding: accurate medication dispensing, compounding practices, and dosage calculations. 4. Drug Interactions and Allergies: knowledge of potential drug interactions, contraindications, and how to address patient allergies. 5. Patient Counseling: ability to provide clear and concise medication counseling to patients, including dosage instructions, potential side effects, and precautions. 6. Quality Assurance and Regulatory Compliance: knowledge of quality control measures, storage requirements, and compliance with pharmacy regulations and standards. 7. Collaboration with Healthcare Team: ability to collaborate with other healthcare professionals, including physicians and nurses, to ensure safe and effective medication use. 8. Emergency Medication Management: understanding of responding to medication-related emergencies and their knowledge of emergency protocols. 9. Pharmacy Act 1948, Drugs & cosmetic Act 1940, & amendments, Food & Drug Administration, Drug storage, Logistics & Roll of Hospital Pharmacist, Community pharmacy, Good Manufacturing Practices (GMP), Disinfectants & their concentrations used in pharmaceuticals & hospital, EDL & ECL list (Standard list of Drugs & Consumables required to run hospital), Biomedical waste management rules.
24.	लेखापरीक्षक गट-क Auditor, Group C	Trading and Profit & Loss Accounts & Balance Sheet, Self Balancing Ledgers and Sectional Balancing, Bills of Exchange, Depreciation Reserve & Provisions, Capital & Revenue, Receipts & Payments, Income & Expenditure Account, Double Account System, Branch and Departmental Accounts, Rectification of Errors, Bank Reconciliation statement, Balance Sheet Formats & Classification, Accounts, Financial Management, Company Laws, Auditing, Taxation-Direct/ Indirect, Commercial Laws, Cost Accounting, Ind AS.
25.	सहायक विधी अधिकारी,	Bhartiya Nyay Sanhita 2023, Code of Civil procedure,

	गट-क Assistant Law Officer, Group C	Bhartiya Nagarik Suraksha Sanhita 2023, Bhartiya Sakshya Adhinyam 2023, Constitution of India, Transfer of property Act, Contract ,Limitation Act, Court Fees Act, Special Relief Act, Registration Act, The Negotiable Instruments Act,1915
26.	वायरमन, गट-क Wireman, Group C	1) Basic Electrical Principle 2) Safety Procedures 3) Tools & Equipment's 4) Wiring Installation 5) Reading & Interpreting Electrical Diagram 6) Electrical Components Basic Electronics
27.	ग्रंथपाल, गट -क Librarian, Group C	Society and Library: Kinds of Libraries Five Laws of Library Science, Theory of Classification : Growth and Structure of Knowledge, Need and Purpose of Library Classification, Library Catalogue - Nature and Function, bibliographies and Bibliographic Control, Classification of Documents by DDC, Classification of Documents by CC, Documentation Techniques & Services



(कल्पिता पिंपळे)

उप-आयुक्त (मुख्यालय)
मिरा भाईंदर महानगरपालिका