

नवी मुंबई महानगरपालिकेच्या पद भरती करीता ३० संवर्गातील पदांसाठी निश्चित केलेला

अभ्यासक्रम

अ.क्र.	पद	निश्चित केलेला अभ्यासक्रम
१	बायोमेडिकल इंजिनियर Biomedical Engineer	Biomedical Microsystems, Hospital Management, Healthcare Informatics, Robotics in Medicine, Human Anatomy and Physiology for Engineers, Medical Sensors, Digital Electronics, Electronic circuit analysis and design, Biomedical Instrumentation, Biomedical Digital Image Processing, Biomaterials and Artificial Organs
२	कनिष्ठ अभियंता (स्थापत्य) Junior Engineer (Civil)	Advanced Construction Technology, Building Construction, Concrete Technology, Construction Management, Construction Materials, Design of Steel and RCC Structure, Environmental Science, Estimating and Costing, Geo Technical Engineering - Soil Mechanics, Green Building and Energy Conservation, Hydraulics, Mechanics of Materials, Pavement Design and Maintenance, Precast and prestressed concrete, Solid Waste Management, Surveying, Theory of Structure, Transportation Engineering, Water Resource Engineering- irrigation, Public Health Engineering
३	कनिष्ठ अभियंता (बायोमेडिकल इंजिनियरींग) Junior Engineer (Biomedical Engineer)	Biomedical Microsystems, Hospital Management, Healthcare Informatics, Robotics in Medicine, Human Anatomy and Physiology for Engineers, Medical Sensors, Digital Electronics, Electronic circuit analysis and design, Biomedical Instrumentation, Biomedical Digital Image Processing, Biomaterials and Artificial Organs
४	उद्यान अधीक्षक garden supritendent	Basics of Horticulture, Basics of Gardening, Horticultural crops, Disease and weed Management, Forestry
५	सहाय्यक माहिती व जनसंपर्क अधिकारी Assistant Information and Public Relations Officer	Communication and Journalism, Role of Media in Society, Journalism as a Profession, History of Print and Broadcast media, Communication and theories of social change, Introduction of research methods and process
६	वैद्यकीय समाजसेवक Medical Social Worker	Introduction to Social Work, Social Welfare Services, Primary Concepts, Social Change and Social Control, Social Welfare, Social Research and Design, Medical disorders, Medical Social Work, Mental Health Problems, Psychotherapy, Counseling, Meditation, Sahaja Yoga, Psychiatric social work in different settings, Major social problems in India, Child Counseling
७	डेंटल हायजिनिस्ट Dental Hygienist	Anatomy, General and Dental, Physiology & Histology, General & Dental, Pharmacology, General & Dental, Pathology & Microbiology, General and Dental, Dental Radiology, Food and Nutrition, Dental Hygiene and Oral Prophylaxis (Primary And Final), Practical-Scaling/Polishing Radiograph Placement Of Fissure Sealant, Disinfection, Dental Health Education, Community Public Health Dentistry & Preventive Dentistry, Dental Ethics, Jurisprudence and Orientation In Dentistry Lecture, Basic Knowledge of Computer, Preparing Report, National Oral Health Program

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८	स्टाफ नर्स/नर्स मिडवाईफ (G.N.M.) Staff Nurse/Nurse Midwife (G.N.M)	Applied Microbiology and Pathology, Pollution-Introduction-Causes-effects and control measures, Nutrition and Nutritional Assessment and Nutrition Education and Food Safety, Information and Education and Communication, Behavior Change Communication, Individual and Family Education, Counselling, Organization of Health Care Services, Epidemiology, Vital Statistics, Communicable and Non-Communicable Disease under National Health Program, Common conditions and emergencies, First Aid in emergency conditions, Reproductive Child Health and Family Planning, Sexually Transmitted Infections, Child Health, Adolescent Health, Specialized role of community health nurses, Community Mental Health and Counselling, Disaster management, Standards of practice, Use of problem solving approach, Management including Health Center Management, Leadership and Supervision, Biomedical Waste Management
९	डायलिसिस तंत्रज्ञ Dialysis Technician	Renal Function Test, Excretory System-Structure & Function, Osmosis & Semi Permeability, Hygen & Cleaningness, Disinfection & Personal Protection, Organic Chemistry, Electrolyte & Colloids, Measurement and Mks System, Maintenance & Calibration of Laboratory Equipment, Interpersonal Communication, Biomedical Waste Management
१०	सांख्यिकी सहाय्यक Statistical Assistant	Basic Statistics, Probability, Probability Distributions, Sampling Theory, Testing of hypothesis, Index Number, Correlation and Regression, Time series analysis, Vital statistics
११	इसीजी तंत्रज्ञ ECG Technician	Anatomy and Physiology, Basic Physics and computer applications, Biophysics and Electronics, Basics of Electroencephalography, Basics of Nerve conduction studies and electromyography, Advanced electroencephalography and advanced electromyography
१२	सी.एस.एस.डी.तंत्रज्ञ (सेंट्रल सर्जिकल सुपरवायझेशन डिपार्टमेंट) C.S.S.D. Technician (Central Surgical Supervision Department)	Basic Anatomy, Basic Physiology, Basic Pathology and Microbiology, Operation Theatre Techniques, Disinfection, Packaging and assembly line, Sterilization Methods, Sterilization record keeping, Quality Standards
१३	आहार तंत्रज्ञ Diet technician	Roles of Dietician, Physiologic and Metabolic changes in Disease, Human Nutrition and meal management, Nutritional plans, Community Nutrition, Diet Therapy, Nutrition Education and Dietetic counselling, Food Services Management, Basics of physiology & Basics of Biochemistry these subjects can be Added, Dietary needs in PEM Child, Ketogenic Diet, Diets in Special Children, Total Parental Nutrition
१४	नेत्र चिकित्सा सहाय्यक Ophthalmological Assistant	Anatomy and physiology, Ocular pathology, microbiology and biochemistry, Basic Orthoptics, Optics and refraction, Ocular Pharmacology, Clinical refraction and contact lenses, Clinical orthoptics, Basic investigative optometry, Community optometry and eye banking, Advanced contact lenses and low vision, Advanced optics and orthoptics, Clinical investigative optometry

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१५	औषध निर्माता/औषध निर्माण अधिकारी Pharmacist	GENERAL pharmacology, Indian Pharmacopeia, British Pharmacopeia, Pharmacy Act 1948, Drugs & cosmetic Act 1940, & amendments, Food & Drug Administration, Drug Storage, Logistics & inventory management, Roll of Hospital Pharmacist, Community Pharmacy, Goods Manufacturing Practices(GMP), Disinfectants & their concentrations used in pharmaceuticals & hospitals, EDL & ECL list (Standard list of Drugs & Consumables required to run hospital)
१६	आरोग्य सहाय्यक (महिला) Health Assistant (Lady)	Demography Statistics, Disposal of Waste, Environmental Sanitation, Epidemiology, Health Administration Programmes, Health Education, Infection Control, Nutrition and Dietetics, Public Health Basics, Sanitary Health Basics
१७	बायोमेडिकल इंजिनियर सहाय्यक Biomedical Engineer Assistant	Application of Biomaterials, Fundamentals of Medical Electronics, Basic Electrical Engineering, Business Communication Using Computers, Medical Electronics Workshop.
१८	पशुधन पर्यवेक्षक Livestock Supervisor	Animal health and first aid, Deworming and Vaccination, Preventive management of pregnant and parturient animals, Castration of animals, Animals Rut: symptoms and methods of identification, Disinfection methods, sanitation, Artificial Insemination: Records and Techniques, Bull Management, Symptoms of healthy and sick animals, Care of sick animals, Animal Husbandry: History, Present Status, Opportunities, Milk production facts and expected growth, Effective extensive work for animal husbandry, Dairy Co-operative Societies and Accounting Practices, Use of Computer technology in Animal Husbandry and Dairying, Improved management practices for viable livestock, Preventive measures in sustainable animal husbandry, Milk Adulteration and Social Implications and Preventive Measures, New Dairy Value Addition Methods, Quality enhancement in clean milk production, Animal Husbandry, Animal breeds and species, Fodder Production, Animal feed, Cow, buffalo rearing and milk production, Quality control of milk, Handling and sale of milk, Dairy Products Manufacturing and Technology, Goat, sheep and pig rearing, Poultry farming, Introduction to Livestock Anatomy, Introductory Animal Physiology, Introduction to Animal Management, Introductory Fodder Management and grassland Management, Introductory Animal Breeding, Introductory Veterinary Microbiology, Introductory Veterinary Parasitology, Preliminary Pathology, Introductory Animal Nutrition, Introductory Animal Husbandry Economics and Marketing, Introductory Pharmacology, Introductory Animal Reproductions, Introductory Animal Health Care, Introductory Veterinary Public Health, Minor Veterinary Surgery, Farm Practice Training, Immunizations in Animals
१९	ऑक्झिलरी नर्स मिडवाईफ (A.N.M.) Auxiliary Nurse Midwife (A.N.M.)	Community health nursing, Health Promotion, Nursing Foundation, Anatomy and Physiology, Child Health Nursing, Midwifery and Gynecology, Nursing Management, Information, Education and Communication, Mental Health – Psychiatric, Medical Surgical Nursing and Intensive-care Nursing, Microbiology and Hospital Infection Control, Vaccination Programme, national Communicable / Non communicable disease Programs

अ.क्र.	पद	निश्चित केलेला अभ्यासक्रम
२०	बहुउद्देशीय आरोग्य कर्मचारी (हिवताप) Multi-Purpose Health Workers (Malaria)	Demography Statistics, Disposal of Waste, Environmental Sanitation, Epidemiology, Health Administration Programmes, Health Education, Infection Control, Nutrition and Dietetics, Public Health Basics, Sanitary Health Basics
२१	शस्त्रक्रियागृह सहाय्यक Operation Theatre Assistant	General Anatomy and Physiology, Pathology, Pharmacology, Microbiology, BLS, Surgical Anatomy, OT Techniques, CSSD Techniques, Anesthesia techniques, Infection control, Surgical & Medical conditions, Nursing Procedures, Surgeries & Applied OT techniques, Biomedical Engineering
२२	सहाय्यक ग्रंथपाल Assistant Librarian	Information, Communication and Society, Cataloguing, Indexing, Network Fundamental, Communication Skills, Workplace Skills, Writing Skills, Advance Writing Skills, Cataloguing, Information Products and Services, Library Automation, Digitization and Digital Libraries
२३	वायरमन (Wireman) Wireman	Engineering Drawing, Workshop calculation and science, DC Machines, Earthing Fundamentals, Basics of Electrical Engineering, Small power supply sources, Electrical Components, Safety measurement, Tools & equipments, Alternator Theory, Fundamentals of Wiring, Wiring Accessories – Applications, Testing and Repairing, Domestic Wiring, Control Panel Wiring – components, Control Panel Wiring – Relays, Single and three phase transformer
२४	ध्वनीचालक Sound Operato	Shop Floor Training , Safety, Manufacturing Techniques/ Processe, General Testing, Inspection, Maintenance, Transformers & Coils, Domestic Electronics, Civil Aviation and Navigation Electronic communication System, Telecommunication Transmission System, elecommunication switching System, Professional Electronics, Digital Electronics
२५	उद्यान सहाय्यक Garden Assistant	Basics of Horticulture, Basics of Gardening, Horticultural crops, Disease and weed Management, Forestry
२६	लिपीक-टंकलेखक. Clerk cum Typist	As no Technical subject in this post, so the common syllabus will be applicable for this Post.
२७	लेखा लिपिक Accounts Clerk	Basic Accounting Concepts, Goods and Services Act and Indirect Tax, Cost Accounting and Management Accounting, Basics of Mercantile Law, Companies Act 2013, Income Tax Act 1961, Profit Maximization, Role and Functions of Finance in Business, Financial Ratio Analysis, Capital Budgeting
२८	शवविच्छेदन मदतनीस Autopsy Assistant	Basic Physics, Basic Chemistry, Basic Anatomy and Physiology, Basic Pathology and Microbiology, Autopsy, Infection Control and Personal Hygiene, Bio medical waste management and environment safety
२९	कक्षसेविका/आया Aaya	Basics Sciences, Basic Social Studies, Biomedical Waste Management, Infection Control and Personal Hygiene, Environmental Sanitation Basics
३०	कक्षसेवक (वॉर्डबॉय) ward boy	Basic Anatomy and Physiology, Healthcare Systems, Patient Care, Biomedical Waste Management, Infection Control and Personal Hygiene, Environmental Sanitation Basics

नवी मुंबई महानगरपालिकेच्या पद भरती करीता अ.क्र.११ वरील इसीजी तंत्रज्ञ
(ECG Technician) या पदाकरीता निश्चित केलेला सुधारित अभ्यासक्रम

अ.क्र.	पद	निश्चित केलेला अभ्यासक्रम
११	इ.सी.जी. तंत्रज्ञ (ECG Technician)	Applied Sciences, Electrocardiography