

NFC Stipendiary Trainee Category I Exam Pattern

Sl.No	Name Of The Subject	Marks Allocation	Qualifying Marks
1	Relevant Trade/ Discipline	3 Marks for Correct Answer 1 Mark Deducted for every wrong answer	General Category: 50% of Marks SC/ OBC: 40% of Marks ST: 35% of Marks

NFC Stipendiary Trainee Category II Exam Pattern

Stage I (Preliminary Test)

Sl.No	Name Of The Subject	Total Questions	Marks Allocation	Qualifying Marks
1	1. Mathematics 2. Science 3. General Awareness	1. Mathematics: 20 Questions 2. Science: 20 Questions 3. General Awareness: 10 Questions	1. 3 Marks for Correct Answer 2. 1 Mark Deducted for every wrong answer	1. General Category: 50% of Marks 2. SC/ OBC: 40% of Marks 3. ST: 35% of Marks

Stage II (Advanced Test)

Sl.No	Name Of The Subject	Total Questions	Marks Allocation	Qualifying Marks
1	Related Subjects	1. 50 Questions	1. 3 Marks for Correct Answer 2. 1 Mark Deducted for every wrong answer	1. General Category: - 2. SC/ OBC: 20% of Marks 3. ST: -

NFC Work Assistant 'A' Exam Pattern

Stage I (Preliminary Test)

Sl.No	Name Of The Subject	Total Questions	Time Duration	Marks Allocation	Qualifying Marks
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1	1. Mathematics 2. Science 3. General Awareness	1. Mathematics: 20 Questions 2. Science: 20 Questions 3. General Awareness: 10 Questions	One Hour	1. 3 Marks for Correct Answer 2. 1 Mark Deducted for every wrong answer	1. General Category: 40% of Marks 2. SC/ ST/ OBC: 30% of Marks
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Stage II (Advanced Test)

Sl.No	Name Of The Subject	Total Questions	Marks Allocation
1	1. Mathematics 2. Science 3. General Awareness 4. English	1. Mathematics: 15 Questions 2. Science: 15 Questions 3. General Awareness: 10 Questions 4. English: 10 Questions	1. 3 Marks for Correct Answer 2. 1 Mark Deducted for every wrong answer

NFC UDC Exam Pattern

Stage I (Preliminary Test)

Sl.No	Name Of The Subject	Total Questions	Time Duration	Qualifying Marks
1	1. General English 2. General Knowledge 3. General Intelligence Reasoning 4. Quantitative Aptitude	---	---	1. General Category: 50% of Marks 2. SC/ ST/ OBC: 40% of Marks

Stage II (Advanced Test)

Sl.No	Name Of The Subject	Marks Allocation
1	English Language and Comprehension (Descriptive Test)	----

NFC Stipendiary Trainee Syllabus - Topic Wise

General Awareness

- National and current international affairs
- National Dance
- Tribes
- About India and its neighboring countries
- Handicrafts
- National News (current)
- Political Science
- New inventions
- Sculptures
- Science and innovations
- Books And Author
- History of India
- Artists
- Indian Culture
- Important Dates
- World organizations
- Geography of India
- Countries and capitals
- Famous Places
- Music & Literature
- Scientific observations
- International issues
- Musical Instruments
- Famous Places in India
- Economic issues in India

Mathematics

- Matrices
- Quadratic Equations
- Cartesian System of Rectangular Coordinates
- Straight Line
- Determinants
- Logarithms
- Complex Numbers

- Definite Integrals
- Differentiation
- Indefinite Integrals Binomial Theorem
- Conic Sections
- Trigonometry
- Exponential and Logarithmic Series
- Permutations and Combinations
- Circles
- Relations and Functions
- Probability Function
- Sequences and Series

English

- Comprehension.
- Phrases
- Grammar.
- Plural Forms
- Antonyms.
- Vocabulary.
- Synonyms.
- Fill in the Blanks.
- Error Detection.
- Translation of Sentences.

Science

- Computer Science
- Atomic Nucleus / Solid and Semi-Conductor Device
- Physical World and Measurement
- Electromagnetic Waves
- Organic Chemistry
- Mechanics of Solids and Fluids
- Kinematics, Current Events
- Work, Energy, and Power
- Physiology and Human Diseases
- Optics
- Food
- Principles of Communication
- Nutrition and Health
- Dual Nature of Matter and Radiations
- Electrostatics
- Electromagnetic Induction and Alternating Current
- Heat Thermodynamics
- Metals and Non-Metals
- The Motion of System of Particles & Rigid Body

- Magnetic Effect of Current and Magnetism
- Laws of Motion

Concerned Subjects

- Draftsman
- Fitter
- Electronics
- Plant Operator
- Plumber
- Turner
- Instrument Mechanic
- Machinist
- Welder
- Electrician

Electrical Engineering

- Network Analysis
- Analog and Digital Electronics
- Machines
- Instrumentation
- Electronics Devices
- Control Systems
- Power Systems
- Electromagnetic Theory
- Switch Gear and Protection
- Power System Analysis & Control
- Utilization of Energy
- Power System Protection
- Power Electronics & Drives

Civil Engineering

- Engineering Mechanics
- Fluid Mechanics
- Structural Engineering/Steel/ Reinforced Cement Concrete
- Survey estimating
- The Strength of Materials
- Soil Mechanics
- Structural Engineering/RCC design
- Environmental Engineering
- Transportation Engineering
- Civil Engineering Materials
- Concrete/ Construction Technology

Mechanical Engineering

- Refrigeration and air-conditioning
- Engineering Materials
- Metal Casting
- The Strength of Materials
- Operations
- Thermodynamics
- Numerical Methods
- Operations Research
- Tool Engineering
- Turbomachinery
- The design of Machine Elements
- Calculus
- Joining Processes
- Vector Calculus
- Forming Processes
- Fluid Mechanics
- Probability & Statistics
- Engineering Mechanics
- Differential Equations
- Theory of Machines

Chemical Engineering

- Mass Transfer
- Fluid Mechanics and Mechanical Operations
- Instrumentation and Process Control
- Heat Transfer
- Plant Design and Economics
- Chemical Technology
- Process Calculations and Thermodynamics
- Chemical Reaction Engineering

Electronics Engineering

- Analog Communications
- Power Electronics & Drives
- Analog Electronics
- Advanced Communications
- Circuit Theory/ Digital Electronics
- Basic Electronics/ Power Electronics
- Computer Hardware
- Digital Communications
- Measurement & Instrumentation
- Microprocessors & Microcontrollers

- Industrial Electronics

Computer Science

- Database Management Systems
- Basic Computer Terminology
- Basic internet knowledge and protocols
- Computer Abbreviation
- Network Basics
- Computer tools
- Software names and usages
- Operating system
- History of Computer
- Computer hardware parts and controls
- Number system

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