

NLC GET Exam Pattern

Subject Name	No.of Questions	Exam Type & Marking Scheme
Part I: Quantitative aptitude, Logical Reasoning, General Awareness, Data Interpretation, General English	40	<ul style="list-style-type: none">• Objective Type• 1 Mark for the correct answer• 1/4th Mark deduction for an incorrect answer
Part II: Professional Knowledge (Discipline related)	80	

NLC GET Syllabus-Topics Wise

Quantitative Aptitude

- Time and Work Partnership
- Boats and Streams
- Ratio and Proportion
- Simple Interest
- Time and Distance
- Problems on Trains
- Areas
- Races and Games
- Mensuration
- Numbers and Ages
- Mixtures and Allegations
- Probability
- Profit and Loss
- Problems on L.C.M and H.C.F
- Permutations and Combinations

- Pipes and Cisterns
- Percentages
- Simple Equations
- Problems on Numbers
- Averages
- Indices and Surds
- Compound Interest
- Simplification and Approximation
- Volumes
- Quadratic Equations
- Odd Man Out

Logical Reasoning

- Economy
- Society
- Polity
- Human Development Indices and the Development Programmes in India
- Analytical Ability and Data Interpretation
- Heritage and Culture

General Awareness

- Indian Culture
- National Dance
- Scientific observations
- Famous Places in India
- Geography of India
- Music & Literature
- Political Science
- World organizations
- Economic problems in India
- National and International current affairs
- Countries and Capitals
- Books and Authors
- Important Dates
- About India and it's neighboring countries
- Science and innovations
- New inventions

General English

- Idioms and Phrases
- Synonyms
- Antonyms
- Sentence Improvement
- Sentence Arrangement
- Substitution
- Prepositions
- Joining Sentences
- Para Completion
- Error Correction (Phrase in Bold)
- Fill in the blanks
- Transformation
- Passage Completion
- Spotting Errors
- Completion
- Substitution
- Active and Passive Voice
- Spelling Test
- Sentence
- Error Correction (Underlined Part)

Part II

Civil

- Surveying
- RCC and Steel Structures
- Fluid Mechanics and Hydraulics
- Transportation Engineering
- Structural Engineering
- Rain Water Harvesting
- Environmental Engineering
- Sewage Treatment Plants and Treated Sewage Water
- Strength of Materials and Theory of Structures
- Soil Mechanics and Foundation Engineering
- Hydrology and Water Resources Engineering
- Estimation, Costing and Construction Management
- Building Materials and Construction

Electrical

- Power Systems
- Control Systems
- Electric Circuits
- Electric Drives
- Power Electronics
- Signals & Systems
- Electrical Machines
- Analog and Digital Electronics
- Electromagnetic field
- Electrical and Electronic Measurements

Geology

- Geomorphology and Remote Sensing
- Engineering geology
- Hydrogeology
- Stratigraphy
- Crystallography and Mineralogy
- Sedimentology
- Environmental geology
- Indian mineral deposits and mineral economics
- Fuels
- Geochemistry
- Ore genesis
- Structural geology and Geotectonics
- Paleontology
- Mineral exploration
- Igneous and Metamorphic petrology

Mechanical

- Theory of Machines
- Power Engineering
- Heat-Transfer
- Engineering Mechanics
- Mechanics of Materials
- Turbomachinery
- Applied Mechanics and Design

- Thermodynamics
- I.C. Engines
- Engineering Materials
- Fluid Mechanics and Thermal Sciences
- Casting, Forming and Joining Processes
- Machine Design
- Refrigeration and air-conditioning
- Inventory Control
- Operations Research
- Materials, Manufacturing and Industrial Engineering
- Machining and Machine Tool Operations
- Computer Integrated Manufacturing
- Production Planning and Control

Electronics

- Electronic Devices
- Analog Circuits
- Control Systems
- Tools and techniques for LTI control system analysis
- Digital circuits
- Network theorems
- A solution of network equations using Laplace transform
- Amplifiers
- Combinatorial circuits
- Sequential circuits
- A microprocessor (8085)
- Signals and Systems
- Linear Time-Invariant (LTI) Systems
- Control system
- Digital modulation schemes
- Maxwell's equations
- Communications
- Transmission lines
- Electromagnetics
- Analog communication systems
- Waveguides
- Basics of Antennas
- Digital communication systems

Instrumentation & Control

- Electrical Circuits
- Engineering Mathematics
- Control Systems
- Signals and Systems
- Communication and Optical Instrumentation
- Digital Electronics
- Measurements
- Sensors and Industrial Instrumentation
- Analog Electronics
- Instrumentation Engineering

Finance

- Industrial Relations
- Taxation
- Human Resource Management
- Cost and Management accounting
- Financial Institutions and Markets
- Business statistics & data processing
- Auditing
- Financial management & accounting
- Business & Corporate Laws
- Income Tax Law
- Financial Accounting
- Cost Accounting
- Organisation Theory and Behaviour

Human Resource

- Transfer, Promotion, Leave
- Grievance and dispute handling
- Disciplinary procedure
- Recruitment and Selection
- Safety, Health, Education, Social Security
- Training and development, productivity improvement
- Motivation, Employee effectiveness
- Performance management and appraisal
- Leadership development

Mining

- Metalliferous Mining
- Surface Mining
- Mineral Recovery
- Mine Machinery
- Rock Mechanics & Ground Control
- Industrial Training in Underground Mines
- Mine Environmental Engineering
- Coal Mining
- Mine Surveying Practice
- Mine Designing
- Underground Metal Mining Technology

Computer Science

- Theory of Computation
- Digital Logic
- Computer Organization and Architecture
- Compiler Design
- Databases
- Information Systems and Software Engineering
- Graph Theory
- Combinatorics
- Mathematical Logic
- Programming and Data Structures
- Algorithms
- Web technologies
- Operating Systems
- Computer Networks