

Tamil Nadu Graduate Engineer Trainee Exam Pattern

Category	Subject	No.of. Question	Marks	Exam Duration
Objective Type	Technical Questions from the respective Engineering branch	100	100	90 Minutes

TNPL GET Exam Syllabus

Civil Engineering

- Soil Mechanics.
- Environmental and Irrigation Engineering
- Quality Surveying.
- Surveying.
- Transportation Engg.
- Engineering Mechanics.
- Hydraulics.
- Building Materials

Electrical Engineering

- Computer Fundamentals
- Analog and Digital Electronics
- Basic Electronics Engineering
- Control Systems
- Systems and Signal Processing
- Electrical Materials
- Electrical Machines
- Electrical and Electronic Measurements
- Electric Circuits and Fields
- Power Electronics and Drives
- Power Systems

Electronics & Communication Engineering

- Materials Science
- Analog and Digital Communication Systems
- Network Theory
- Electro Magnetics
- Analog and Digital Circuits
- Control Systems
- Computer Organization and Architecture
- Advanced Communication
- Basic Electrical Engineering

- Basic Electronics Engineering
- Advanced Electronics
- Electronic Measurements and Instrumentation

Mechanical Engineering

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

General Knowledge

- Sports
- General Policy
- International and National Organizations
- Science and Technology
- Indian Economy
- Abbreviations
- Countries and Capitals
- Indian National Movement
- Science – Inventions & Discoveries
- Indian History
- Books and Authors
- Important Days
- Current Affairs – National and International
- Awards and Honors
- Capitals of India
- Budget and Five Year Plans

Reasoning

- Time Sequence, Number and Ranking Test
- Number Puzzle
- Completion of Figure
- Blood Relation
- Mathematical Operation
- Clock and Calendar
- Direction and Distance
- Logical Sequence of Words
- Venn Diagrams
- Matrix Reasoning
- Coding and Decoding
- Syllogism
- Arithmetical Reasoning
- Statement and Reasoning
- Series
- Cube and Dice
- Analogy
- Classification
- Visual Reasoning
- Paper Cutting and Folding

English Language

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

Quantitative Aptitude

- Pipes and Cisterns
- Permutations and Combinations
- Problems on Numbers
- Compound Interest
- Areas
- Averages
- Problems on L.C.M and H.C.F
- Volumes

- Odd Man Out
- Simplification and Approximation
- Mixtures and Allegations
- Simple Equations
- Quadratic Equations
- Profit and Loss
- Indices and Surds
- Mensuration
- Races and Games
- Numbers and Ages
- Probability
- Percentages

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