

# TNPL Graduate Engineer Trainee Syllabus || Check TNPL GET, Shift Engineer, and Other Posts Exam Pattern

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## TNPL GET Exam Pattern

| Type of Exam   | Topics  | Questions | Marks | Duration                    |
|----------------|---|-----------|-------|-----------------------------|
| Objective Type | Only Technical Questions from the respective Engineering branch | 100       | 100   | 90minutes<br><br>(1 ½ hrs ) |

## Subject Wise TNPL Graduate Engineer Trainee Exam Syllabus

### Civil Engineering

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

### Electrical Engineering

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

## **Electronics & Communication Engineering**

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

## **Mechanical Engineering**

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

## **General Knowledge**

- Indian National Movement
- Science – Inventions & Discoveries
- Sports
- General Policy
- Indian History

- Books and Authors
- Awards and Honors
- Capitals of India
- Countries and Capitals
- International and National Organizations
- Science and Technology
- Abbreviations

## **Reasoning**

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

## **Quantitative Aptitude**

- Areas
- Percentages
- Simple Equations
- Quadratic Equations
- Indices and Surds
- Compound Interest
- Problems on L.C.M and H.C.F
- Volumes
- Odd Man Out
- Races and Games
- Numbers and Ages
- Averages
- Pipes and Cisterns

- Permutations and Combinations
- Problems on Numbers
- Mixtures and Allegations
- Profit and Loss
- Mensuration
- Probability
- Simplification and Approximation

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