

# TNPSC AE Syllabus || Check Assistant Engineer Exam Pattern @ tnpSC.gov.in

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## TNPSC AE Exam Pattern

S. No	Type of Examination	Paper	Name of the Subjects	No. of questions	Total Marks	Exam Duration
1.	Objective Type	Paper-I	Civil Engineering (or) Electrical Engineering (or) Electronics and Communication Engineering	200	300	3 Hours
2.		Paper-II	General Studies	100	200	2 Hours

## TNPSC AE Syllabus

### Syllabus For Aptitude

- Volume.
- Time & Work.
- Simple Interest and Compound Interest.
- Simplification.
- Percentage.
- Area.
- Conversion of information to data.
- Collection.
- Completion and Presentation of data.
- Tables, Graphs, Diagrams.
- Parametric representation of data.
- Analytical interpretation of data.
- Highest Common Factor (HCF) & the Lowest Common Multiple (LCM).
- Ratio and Proportion.
- Logical Reasoning.
- Decision making.
- Problem Solving.

## **Syllabus For General Studies**

- General Science:
  - Physics.
  - Chemistry.
  - Geography.
  - Economics.
  - Science
  - Botony.
  - Natural Calamities.
  - Weather and Climate.
  - Water Resources.
  - Rainfall.
  - Zoology.
- Current Events:
  - History.
  - Political Science.
  - Geography:
    - Earth and Universe.
    - History & Culture of India:
      - Indian Polity.
      - The economy of India.
      - Indian National Movement.

## **Syllabus For Civil Engineering**

- Design of Reinforced Concrete, Prestressed Concrete and Steel Structures.
- Hydraulics and Water Resources Engineering.
- Building Materials and Construction Practices.
- Geotechnical Engineering.
- Environmental Engineering and Pollution Control.
- Engineering Survey.
- The strength of Materials.
- Structural Analysis.
- Urban and Transportation Engineering.
- Project Management and Estimating.

## **Syllabus For Electrical Engineering**

- Electrical Circuits.
- Electric and Magnetic Fields.
- Measurements and Instrumentation.
- Control Systems.
- Electrical Machines.
- Power Systems.
- Analog and Digital Electronics.
- Power Electronics and Drives.
- Digital Processing and Communication.
- Renewable Energy Sources and Storage Devices.

### **Syllabus For Electronics & Communication Engineering**

- Communication Systems.
- Digital Signal and Image Processing.
- Control Systems and instrumentation.
- Electronic Communication.
- Semiconductor Theory and Electronic Devices.
- Circuit Theory.
- Signals and Systems.
- Analog electronic circuits.
- Electromagnetic Fields and antennas.
- VLSI and Embedded Systems.
- Computer Engineering.