

## Andhra Pradesh Power Generation Corporation (APGENCO)

### ఆంధ్రప్రదేశ్ పవర్ జనరేషన్ కార్పొరేషన్ AE Syllabus – Aptitude

- Time and Work Partnership
- Ratio and Proportion
- Boats and Streams
- Simple Interest
- Areas
- Time and Distance
- Problems on Trains
- Profit and Loss
- Odd Man Out
- Races and Games
- Averages
- Mensuration
- Permutations and Combinations
- Probability
- Problems on L.C.M and H.C.F
- Pipes and Cisterns
- Problems on Numbers
- Volumes
- Compound Interest
- Numbers and Ages
- Mixtures and Allegations
- Percentages
- Simple Equations
- Quadratic Equations
- Indices and Surds
- Simplification and Approximation

### APGENCO AE Syllabus - Civil

- The flow of Fluids, Hydraulic Machines, and Hydro Power
- Fluid Mechanics, Open Channel Flow, Pipe Flow
- Hydraulic Machines and Hydropower

## **Andhra Pradesh Power Generation Corporation (APGENCO)**

- Hydrology and Water Resources Engineering
- Environmental Engineering
- Water Supply Engineering
- Structural Analysis
- Design of Steel Structures
- Design of Concrete and Masonry structures
- Construction Practice
- Planning and Management
- Waste Water Engineering
- Solid Mechanics
- Solid Waste Management
- Air, Noise pollution, and Ecology
- Geotechnical Engineering and Foundation Engineering
- Building Materials
- Surveying and Geology
- Transportation Engineering
- Highways
- Tunneling
- Railways Systems
- Harbors
- Airports

### **[apgenco.cgg.gov.in](http://apgenco.cgg.gov.in) AE Mechanical Syllabus**

- Engineering Mechanics
- Engineering Materials
- Fluid Mechanics
- IC Engines, Refrigeration and Air conditioning
- Turbo Machinery
- Thermodynamics and Heat transfer
- Power Plant Engineering
- Renewable Sources of Energy
- Design of Machine Elements
- Manufacturing
- Mechanisms and Machines

## **Andhra Pradesh Power Generation Corporation (APGENCO)**

- Industrial and Maintenance Engineering
- Mechatronics and Robotics

### **Assistant Engineer Syllabus – Electrical**

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

### **APGENCO Assistant Engineer Exam Syllabus – Electronics**

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