

# MPPGCL Plant Assistant Syllabus || Check Plant Assistant ITI Trainee Exam Pattern

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*Exam Pattern For MPPGCL Plant Assistant:*

<b>Sno</b>	<b>Subjects</b>
1	General English
2	General Knowledge
3	Reasoning
4	Aptitude
5	Concerned Subjects

## **Syllabus For MPPGCL Plant Assistant**

### **General English**

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

### **General Knowledge**

- Inventions in the World
- Sports
- Botany
- Physics
- Zoology
- Indian Culture
- Environment
- Basic Computer
- Indian History
- Indian Economy
- Famous Days & Dates
- Famous Books & Authors
- Indian Parliament
- Geography
- Indian Politics
- Chemistry

### **Reasoning**

- Logical Reasoning
- Puzzles
- Data Sufficiency
- Analytical Reasoning
- Data Interpretation
- Verbal Reasoning
- Non-Verbal Reasoning

### **Aptitude**

- Problems on L.C.M and H.C.F
- Boats and Streams
- Simple Interest
- Indices and Surds
- Mensuration
- Numbers and Ages
- Percentages
- Simple Equations
- Ratio and Proportion
- Quadratic Equations
- Volumes Profit and Loss
- Odd Man Out
- Problems on Numbers

- Areas
- Averages
- Races and Games
- Problems on Trains
- Permutations and Combinations
- Probability
- Simplification and Approximation

## **Mechanical**

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

## **Electrical**

- Norton's
- Power measurement
- Electromagnetic induction
- Power Systems
- Three-phase circuits
- Two-port networks
- Control Systems
- Electrical Circuits and Networks
- AC Fundamentals

- PMMC, moving iron, dynamometer & induction type instruments
- Sinusoidal steady-state analysis
- Analog and Digital Electronics
- Ideal current and voltage sources
- Mutual induction
- Superposition and Maximum Power Transfer theorems

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