

PGCIL Diploma Trainee Syllabus| Check Jr. Officer & Jr. Technician Trainee Exam Pattern

PGCIL Diploma Trainee Exam Pattern

Parts	Type of Paper	Type of Test	Exam Duration	Total No. of Questions	Marks
1.	Objective Type Questions	Technical Knowledge Test	02 Hours	120	120
2.		Aptitude Test		50	50

Power Grid Diploma Trainee Exam Syllabus

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

Electrical

- Magnetic Circuit.
- Power Electronics & Drives.
- Estimation and costing.
- Analog and Digital Electronics.
- Basic Electronics
- AC Fundamentals.
- Measurement and measuring instruments.
- The utilization of Electrical Energy.

- Power Systems.
- Network Theory.
- Electrical Machines.
- Basic Electrical Engineering Concept

Civil

- Steel Structures.
- Transportation Engineering.
- Surveying.
- Hydraulic Structures.
- Reinforced Concrete Structures.
- PSC Structures.
- Fluid Mechanics.
- Construction and Project Management.
- Hydrology & Water Resources Engineering.
- Estimation, Costing, and Specifications.
- Bridge Engineering.
- Civil Engineering Materials and Construction.
- Soil Mechanics and Foundation Engineering.
- Environmental Engineering.
- Solid Mechanics, Structural Analysis.
- Concrete Technology
- Environmental Studies

Quantitative Aptitude

- Probability.
- Partnership.
- Decimal Fraction.
- Average.
- Chain Rule.
- Simple Interest.
- Problems on H.C.F and L.C.M.
- Volume and Surface Area.
- Area.
- Races and Games.
- Height and Distance.
- Time and Distance.
- Allegation or Mixture.
- Pipes and Cistern.
- Time and Work.
- Banker's Discount.
- Surds and Indices.
- Numbers.
- Boats and Streams.

- Problems on Ages.
- Logarithm.
- Stocks and Share.
- Ratio and Proportion.
- Compound Interest.
- Permutation and Combination.
- Square Root and Cube Root.
- Simplification.

Logical Reasoning

- Cubes and Dice.
- Analogy.
- Non-Verbal Series.
- Decision Making.
- Number Series.
- Directions.
- Arithmetical Reasoning.
- Embedded Figures.
- Alphabet Series.
- Clocks & Calendars.
- Data Interpretation.
- Statements & Arguments
- Coding-Decoding.
- Blood Relations.
- Syllogism.
- Statements & Conclusions.
- Number Ranking.
- Mirror Images.

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