

PGCIL Executive Trainee Syllabus|| Check Power grid Executive Trainee Exam Pattern

PGCIL Executive Trainee Exam Pattern

Name Of The Subjects	No Of Questions	Exam Type
Executive Aptitude Test	50	Objective Type
Professional Knowledge Test (Numerical Ability, Quantitative Aptitude, Reasoning, Interpretation, Data Sufficiency, Verbal Comprehension, Vocabulary).	120	

PGCIL ET Syllabus

General English

- Tenses
- Fill in the Blanks.
- Antonyms.
- Synonyms.
- Idioms & Phrases.
- Vocabulary.
- One Word Substitution.
- Comprehension.
- Transformation of Sentences.
- Active & Passive Voice.
- Direct & Indirect Speech.

Reasoning

Verbal Reasoning

- Alpha-numerical sequence puzzle
- Mathematical operations
- Numbers, ranking & time sequence test
- Puzzle test

- Machine input
- Inequalities
- Decision making
- Syllogism
- Sitting arrangement
- Assertion and reason
- Situation reaction test
- Verification of truth of the statement
- Sequential output tracing
- Direction sense test
- Number series
- Analogy
- Classifications
- Blood relations
- Coding-decoding
- Logical Venn diagram
- Alphabet test
- Logical sequence test
- Arithmetical operations
- Inserting the missing characters
- Data Sufficiency
- Eligibility test

Non-Verbal Reasoning

- Water-image
- Spotting out the embedded figures
- Construction of squares and triangles
- Completion of incomplete pattern
- Figure matrix
- Paper folding
- Classification
- Analytical reasoning
- Mirror-image
- Paper cutting
- Rule detection
- Grouping of identical figures
- Cubes and dice
- Dot situation
- Series
- Analogy

Quantitative Aptitude

- Square Root and Cube Root
- Stocks and Shares

- Surds and Indices
- Time and Distance
- Time and Work
- Height and Distance
- Logarithm
- Mixture and Alligation
- Numbers
- Partnerships
- Percentage
- Permutations and
- Combinations
- Chain Rule
- Clock
- Decimal Fractions
- H.C.F. and L.C.M.
- Pipes and Cistern
- Probability
- Profit and Loss
- Races and Games
- Series – Odd Man Out
- Series – Find Missing Number
- Simple Interest
- Compound Interest
- Simplification
- Trains
- Age
- Area
- Average
- Banker's Discount
- Boats and Streams
- Calendar

Electronics

- Circuit Law
- Basic Electronics
- Transmission and Distribution
- Utilization and Electrical Energy
- Synchronous Machines
- Magnetic Circuit
- Fractional Kilowatt Motors & Single Phase Induction Motors
- Electrical Machines
- Estimation and Costing

Civil Engineering

- Steel Design
- Building Materials, Estimating
- Environmental Engineering
- Structural Engineering: Theory of Structures
- Concrete Technology
- Hydraulics
- Irrigation Engineering
- Transportation Engineering
- RCC Design
- Costing and Valuation
- Surveying
- Soil Mechanics

Electrical Engineering

- Fractional Kilowatt Motors and single phase induction Motors
- Synchronous Machines
- Electrical Machines
- Magnetic Circuit
- AC Fundamentals
- Measurement and Measuring Instruments
- Generation, Transmission, and Distribution
- Estimation and Costing, Utilization and Electrical Energy
- Basic Electronics
- Basic concepts
- Circuit law

Mechanical Engineering

- Theory of Machines and Machine Design
- Engineering Mechanics and Strength of Materials
- Properties of Pure Substances
- IC Engine Cooling & Lubrication
- Rankine cycle of System
- IC Engines Combustion
- Boilers
- Refrigeration cycles
- Principle of Refrigeration Plant
- Nozzles & Steam Turbines
- Properties & Classification of Fluids
- Fluid Statics
- 2nd Law of Thermodynamics
- Classification
- Specification
- Fitting & Accessories
- Air Compressors & their cycles

- Air standard Cycles for IC Engines
- IC Engine Performance
- Measurement of Fluid Pressure
- Fluid kinematics
- Dynamics of Ideal fluids
- Measurement of Flow rate
- basic principles
- Hydraulic Turbines
- Centrifugal Pumps
- Classification of steels
- 1st Law of Thermodynamics

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