

PGCIL Executive Trainee Exam Pattern

Sl.No	Name Of The Subjects	Number Of Marks	Number Of Questions
1	Professional Knowledge Test (PKT)	120	120
2	Executive Aptitude Test (EAT) - vocabulary, verbal comprehension, quantitative aptitude, reasoning ability, data sufficiency and interpretation & numerical ability	50	50
Total		170 Marks	170 Questions

Qualifying Marks in GD & Interview:

Category	Qualifying Marks in Interview
Unreserved/EWS	40%
OBC (NCL) / SC /ST / PwD	30%

Weightage to Different Parameters:

Marks in Test	85%
Group Discussion	3%
Personal Interview	12%

PGCIL Executive Trainee Syllabus - Topic Wise

General English

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

Reasoning

Verbal Reasoning

- Alpha-numerical sequence puzzle
- Mathematical operations
- Numbers, ranking & time sequence test
- Puzzle test
- Machine input
- Inequalities
- Decision making
- Syllogism
- Sitting arrangement
- 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
- Assertion and reason
- Situation reaction test
- Verification of truth of the statement

Non-Verbal Reasoning

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

- Classification
- Analytical reasoning
- Mirror-image

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
- 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
- Chain Rule
- Clock
- Decimal Fractions
- H.C.F. and L.C.M.

Technical Subjects:

Finance Awareness

- Indian Economy
- Finance Commissions

- Taxes on Income and Expenditure
- Financial and Railway Budget
- Revenue of Central Government
- Economic Planning
- Inflation
- National Income
- Public Finance
- Bills
- Concept of Budget
- Schemes and Policies implemented by Government
- Indian Banking Industry History
- Functions of Banks
- Types of Banks
- RBI and its Monetary Policy
- Capital market in India
- Money Market in India
- Role of Banking

Civil Engineering

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

Electrical Engineering

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

Electronics

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

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
- Classification
- Specification
- Fitting & Accessories
- Air Compressors & their cycles
- Refrigeration cycles
- Principle of Refrigeration Plant
- Nozzles & Steam Turbines
- Properties & Classification of Fluids
- Fluid Statics
- 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
- 2nd Law of Thermodynamics
- Air standard Cycles for IC Engines
- IC Engine Performance