

## CIL Management Trainee Exam Pattern

Sl.No	Type of the Exam	Number Of Papers	Name of the Subjects	No. of Questions	Total Marks	Exam Time Duration
1.	Online Exam (Objective Type)	Paper 1	General Knowledge/ Awareness	100	100	03 hours
			Reasoning			
			Numerical Ability			
			General English			
2.		Paper 2	Professional Knowledge (Discipline related)			

## CIL Management Trainee Syllabus

### Coal India Management Trainee Syllabus: Civil

- Bridge Superstructure.
- Fluid Mechanics.
- Transportation Engineering.
- Hydrology
- Engineering Mechanics.
- Bridge Architecture
- The Strength of Materials.
- Design of Structure.
- Civil Engineering Materials.
- Reinforced Concrete Structures.
- Surveying.
- Elements of Geotechnical Engineering.
- Elements of Structural Analysis.
- Steel Structures.
- Bridge Engineering.

### CIL Management Trainee Syllabus: Electrical

- Power Systems.
- Switch Gear and Protection
- Electromagnetic Theory.
- Network Analysis.
- Utilization of Electrical Energy.
- Analog and Digital Electronics.
- Electrical Machines.
- Electrical Instrumentation.
- Control Systems.

- Power System Protection.
- Power System Analysis & Control.
- Power Electronics & Drives etc.

### **Coal India Ltd Management Trainee Syllabus: Computer Science**

- Operating System.
- Databases.
- Algorithms.
- Computer Networks.
- Programming and Data Structures.
- Web Technologies.
- Computer Organization and Architecture.
- Information Systems and Software Engineering etc.

### **Coal India Ltd MT Syllabus: Information Technology**

- Information and Network Security
- Cyber Law in India
- Computer Fundamentals and Programming
- Linux System.
- Operating System
- Relational Database Management System
- Data Communication and Networks

### **CIL Syllabus Pdf for Management Trainee: Reasoning**

- Problem Solving.
- Decision Making.
- Similarities and Differences.
- Figure Classification.
- Space Visualisation.
- Judgment
- Visual Memory.
- Analysis.
- Discriminating Observation.
- Relationship Concepts.
- Arithmetical Number Series etc

### **Coal India MT Syllabus: General Awareness**

- Current Affairs – National & International.
- General Politics.
- History.
- Scientific Research.
- Sports.

- Indian Constitution.
- Geography.
- Economy, Banking, and Finance.
- Important Financial & Economic News.
- Economy.
- India and its neighboring countries.
- Knowledge of Current Events.
- Culture.
- Budget and Five Year Plans.
- Science – Inventions & Discoveries.
- Countries & Capitals. etc.

### **CIL Management Trainee Syllabus: Quantative Aptitude**

- Simplification.
- Problems on Ages.
- Averages.
- Interest.
- Percentages
- Time & Distance.
- Boats & Streams.
- Time & Work.
- Pipes & Cisterns.
- Profit and Loss.
- Data Interpretation etc.

### **Coal India Ltd Management Trainee Syllabus: Finance & Accounts**

- Business Statistics & Data Processing.
- Indirect Tax Laws.
- Financial Accounting.
- Cost and Management Accounting.
- Financial Management.
- Business and Corporate Law.
- Banking and financial institutions.
- Auditing.
- Income-tax Law

### **Coal India MT Syllabus: Electronics & Telecommunications**

- Analytical, Optical Instrumentation.
- Analog Electronics.
- Mechanical Measurement and Industrial Instrumentation.
- Digital Electronics.
- Electrical and Electronic Measurements.
- Basics of Circuits and Measurement Systems.

- Transducers,
- Signals, Systems, and Communications.
- Control Systems and Process Control.

### **CIL Management Trainee Syllabus: Mechanical**

- Energy conservation.
- Production Planning and Control.
- Engineering Materials.
- The Strength of Materials.
- Industry Safety.
- Engineering Mechanics.
- Management Information System.
- Metal Casting.
- Inventory Control.
- Computer Integrated Manufacturing Design.

### **Coal India MT Syllabus: Mining**

- Surveying.
- Applied Science.
- Mechanical Technology. (Mining)
- Industrial Training in Underground Mines. (Module I)
- Mine Environmental Engg.
- Basic Computer Skills.
- Mining Geology.
- My Legislation & General Safety.
- Computer Application in Mining.
- Engineering Graphics.
- Blasting Techniques in Mines.
- Applied Mathematics.
- Drawing.
- Basics of Electrical & Electronics Engg. (Mining)
- Introduction to Mining.
- Mining Practice.
- U/G Metalliferous Mining.
- Surface Mining.
- Mine Surveying Practice.
- Coal Mining.
- Basic Management Skills & Indian Constitution.
- Mineral Recovery.
- Rock Mechanics & Ground Control.
- Mine Machinery.
- CASP.