

CIL Management Trainee Syllabus 2019 || Check Coal India Limited MT Exam Pattern @ www.coalindia.in

CIL Management Trainee Exam Pattern 2019:

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 2019:

Syllabus For Civil

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

Syllabus For Electrical

- 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.
- Power Systems.
- Switch Gear and Protection

- Electromagnetic Theory.

Syllabus For Computer Science

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

Syllabus For Information Technology

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

Syllabus For Reasoning

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

Syllabus For General Awareness

- Economy.
- India and its neighboring countries.
- Knowledge of Current Events.
- Culture.
- Budget and Five Year Plans.
- Science – Inventions & Discoveries.
- Countries & Capitals. etc.
- Current Affairs – National & International.
- General Politics.
- History.
- Scientific Research.

- Sports.
- Indian Constitution.
- Geography.
- Economy, Banking, and Finance.
- Important Financial & Economic News.

Syllabus For Quantative Aptitude

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

Syllabus For Finance & Accounts

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

Syllabus For Electronics & Telecommunications

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

Syllabus For Mechanical

- Industry Safety.
- Engineering Mechanics.
- Management Information System.
- Metal Casting.

- Inventory Control.
- Computer Integrated Manufacturing Design
- Energy conservation.
- Production Planning and Control.
- Engineering Materials.
- The Strength of Materials.

Syllabus For Mining

- 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.
- 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.