

ECIL JTO Syllabus 2018 || Check Junior Technical Officer, Jr.
Consultant Field Operation Gr.I & Gr.II Exam Pattern @
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ECIL JTO & JCFO Grade I and II Exam Pattern 2018:

Type of Exam	Topics
Objective Type	Technical and General Awareness Related Topics

ECIL JTO & JCFO Topic Wise Syllabus 2018:

Electronics

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

Mechanical

- Heat Power.
- Air Compressor.
- Strength Of Materials.
- Engineering Mechanics.
- Fluid Mechanics And Machines.
- Refrigerator and Air-Conditioning.
- Manufacturing Process.
- Pattern Making.
- Welding And Allied Processes.
- Machine Tools etc.

Electrical

- Electrical Machines.
- AC Fundamentals.
- Basic Electrical Engineering Concepts.
- Magnetic Circuit.
- Network Theory.
- Analog and Digital Electronics.
- Measurement and measuring instruments.
- Estimation and costing.

- Power Electronics & Drives.
- Basic Electronics
- Power Systems.
- Utilization of Electrical Energy etc.

Computer Science

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

Information Technology

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

General Awareness

- Indian History.
- Indian Culture & Heritage.
- Indian Constitution.
- Science & Technology.
- Indian Geography.
- IT & Space etc.
- Indian Economy.
- Current Events – National & International.
- Indian Polity.

General Aptitude

- Averages.
- Problems on Ages.
- Percentages.
- Simplification.
- Pipes & Cisterns.
- Time and Work.
- Dimensions.
- Profit & Loss.

- Ratios & Proportions.
- Simple Interest & Compound Interest.
- Time & Distance.
- Analogies.
- Arithmetic Reasoning.
- Visualization Space.
- Areas & Volumes.
- Data Interpretation.
- Decision Making.
- Problem Solving.

ECIL JCFO Grade I Syllabus

- Production Planning and Control.
- Turbo-machinery.
- Engineering Materials.
- Computer Integrated Manufacturing.
- I.C. Engines.
- Refrigeration and air-conditioning.
- Casting, Forming and Joining Processes.
- Machining and Machine Tool Operations.
- Operations Research.
- Metrology and Inspection.

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