

IOCL Apprentice

IOCL Apprentice Test Pattern

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Section/ Subject	Questions	Marks	Exam Duration
Generic Aptitude and Reasoning	100	100	120 Minutes
General English			
Numerical Aptitude			
General Knowledge/Awareness			
Trade Specific Subjects			

The above-provided IOCL Apprentice Syllabus 2023 is for reference purposes. So, check the official site for the latest information.

IOCL Apprentice Exam Topics

Electronics and Instrumentation

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

Chemical Engineering

- Atoms and Molecules
- Chemical Processes
- Organic Reactions
- Stereochemistry

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- Transition Metal Chemistry
- Electrochemistry
- Photochemistry
- Spectroscopic Techniques
- Reaction Dynamics

Electrical

- Analog and Digital Electronics
- Electronics Devices
- Electrical Machines
- Power Electronics & Drives
- Power System Protection
- Switchgear and Protection
- Power System
- Electromagnetic Theory
- Instrumentation & Control
- Network Analysis
- Utilization of Electrical Energy

Electronics & Communication

- Engineering Mathematics
- Electromagnetics
- Electronic Devices
- Analog Circuits
- Digital Circuits
- Control Systems
- Signals and Systems
- Analog & Digital Communications
- Networks
- Communications

General Knowledge/ Awareness

- History
- Indian Constitution
- Geography
- Country, State, Capitals & Currency
- General Science
- Science and Technology
- Arts and Culture
- Sports
- Prominent Personalities

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- Awards and Honors
- Books and Authors
- Current Affairs

Reasoning

- Analogy and Classification
- Blood Relation
- Counting Figures
- Direction Sense
- Decision Making
- Data Sufficiency
- Problem-Solving
- Number Series
- Arithmetic Reasoning
- Clock and Calendars
- Cube and Dice
- Non-Verbal Reasoning
- Coding-Decoding
- Syllogism
- Venn Diagram

Numerical Aptitude

- Number System
- Squares and Cube Roots
- Surds and Indices
- Logarithms
- LCM & HCF
- Ratio and Proportion
- Average
- Percentage
- Profit and Loss
- Simple and Compound Interest
- Mixture and Allegation
- Time and Work
- Pipe and Cistern
- Time and Distance
- Boats and Streams
- Problems on Ages
- Probability
- Permutation and Combination
- Mensuration

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- Geometry

General English

- Spotting Errors
- Antonyms and Synonyms
- Articles
- Preposition
- Subject-Verb Agreement
- Active and Passive Voices
- Narration
- Fill in the Blanks
- Idioms and Phrases
- Sentence Rearrangement
- Reading Comprehension