

## IOCL Apprentice Syllabus 2024

The syllabus is very significant for the applicants since it not only gives them an idea of the topics to be covered but also helps them score more than the IOCL Apprentice Cut Off marks. Candidates must plan ahead of time to ensure that they have completed the entire course before taking the exam. The IOCL Apprentice Syllabus is outlined below.

<b>Subject</b>	<b>Syllabus</b>
General Knowledge	History
	Constitution
	Geography
	Economy
	Art & Culture
	Current Affairs
	Sports
	Awards & Honors
	Famous Personalities
	Countries, State, & Capitals
	Science & Technology
	Famous Books, Authors, & Personalities

General English	Vocabulary
	Antonyms & Synonyms
	Idioms & Phrases
	Reading Comprehension
	Error Detection/Correction
	Fill in the blanks
	Sentence Rearrangement
	Word/Phrase Replacement
	Subject-Verb Agreement
	Prepositions
	Verbs
	Articles
	Adjectives
	Active & Passive Voice
Reasoning	Verbal and Non-verbal Reasoning
	Arithmetic Reasoning
	Alphanumeric Reasoning

	Blood Relations
	Data Interpretation & Analysis
	Data Sufficiency
	Analytical Reasoning
	Syllogism
	Decision Making
	Visual Reasoning
	Problem Solving
	Classification
	Clocks and calendars
General Aptitude	Number system
	HCF & LCM
	Average
	Percentage
	Profit & Loss
	Ratio & Proportion
	Simple & Compound Interest

	Time and distance
	Time and work
	Problems on ages
	Pipes and cisterns
	Mixture and alligation
	Probability
	Permutation and combination
	Logarithm
	Boats and streams
	Square and cube roots
	Surds and indices
	Mensuration
Electrical	Analog and Digital Electronics
	Control Systems
	Electromagnetic Theory
	Electronics Devices
	Electrical Instrumentation

	Electrical Machines
	Network Analysis
	Power Electronics & Drives
	Power System Analysis & Control
	Power System Protection
	Switchgear and Protection
	Utilization of Electrical Energy
Electronics and Instrumentation	Analog Electronics
	Analytical, Optical and Biomedical Instrumentation
	Control Systems and Process Control
	Digital Electronics
	Basics of Circuits and Measurement Systems
	Transducers, Mechanical Measurement and Industrial Instrumentation
	Signals, Systems, and Communications
	Electrical and Electronic Measurements

Chemical Engineering	Atoms and Molecules
	Electrochemistry
	Photochemistry
	Reaction Dynamics
	Organic Reactions
	Spectroscopic Techniques
	Transition Metal Chemistry
	Stereochemistry
Electronics & Communication	Analog & Digital Communications
	Analog Circuits
	Control Systems
	Digital circuits
	Electronic Devices
	Electromagnetics
	Engineering in Mathematics
	Signals and Systems
	Networks

