

Indian Oil Corporation Limited Apprentice Exam Pattern

Trade Apprentice (Accountant)

Topics	Number of Questions	No of Marks
Generic Aptitude including Quantitative Aptitude	30	30 Marks
Reasoning Abilities	30	30 Marks
Basic English language Skills	40	40 Marks
Total	100 Question	100 Marks

Trade Apprentice (Fitter / Electrician / Electronics Mechanic / Instrument Mechanic / Machinist) & Technician Apprentice (Mechanical / Electrical / Instrumentation / Civil / Electrical & Electronics / Electronics)

Topics	Number of Marks	No of Questions
Technical Acumen in relevant discipline	40 Marks	40
Generic Aptitude including Quantitative Aptitude	20 Marks	20
Reasoning Abilities	20 Marks	20
Basic English Language Skills	20 Marks	20

Trade Apprentice (Retail Sales Associate)

Topics	Number of Marks	No of Questions
Generic Aptitude	30	30
Reasoning Abilities	30	30
Basic English	40	40
Total	100 Marks	100 Questions

Trade Apprentice (Data Entry Operator)

Type Of Exam	Subject Name
Objective Type Multiple Choice Questions(MCQ's)	Generic Aptitude and Reasoning
	General English
	Numerical Aptitude

IOCL Apprentice Syllabus -Topics Wise

Generic Aptitude

1. Averages
2. Indices and Surds
3. Time and Work Partnership
4. Areas
5. Races and Games
6. Ratio and Proportion
7. Boats and Streams
8. Simple Interest
9. Time and Distance
10. Problems on Trains
11. Numbers and Ages
12. Mixtures and Allegations
13. Problems on L.C.M and H.C.F
14. Pipes and Cisterns
15. Percentages
16. Mensuration
17. Permutations and Combinations
18. Simple Equations
19. Problems on Numbers
20. Compound Interest
21. Volumes

Reasoning Ability

1. Similarities and Differences.
2. Problem Solving.
3. Space Visualization.
4. Judgment.
5. Analysis.
6. Visual Memory.
7. Decision Making.
8. Figure Classification.
9. Arithmetical Number Series etc.
10. Relationship Concepts.
11. Discriminating Observation.

English

1. Antonyms
2. Substitution

3. Passage Completion
4. Active and Passive Voice
5. Substitution
6. Error Correction
7. Transformation
8. Prepositions
9. Sentence Arrangement
10. Fill in the blanks
11. Joining Sentences
12. Error Correction
13. Sentence Improvement
14. Spotting Errors
15. Para Completion
16. Synonyms
17. Spelling Test
18. Idioms and Phrases
19. Sentence
20. Completion

Technical Acumen

Chemical Engineering

1. Electrochemistry.
2. Organic Reactions.
3. Photochemistry.
4. Stereochemistry.
5. Transition Metal Chemistry.
6. Spectroscopic Techniques.
7. Atoms and Molecules.
8. Reaction Dynamics.

Mechanical Engineering

1. The Strength of Materials.
2. Heat Transfer,
3. Machine Design.
4. Theory Of Machines.
5. Refrigeration & Air Conditioning.
6. Fluid Mechanics.
7. Fluid Machinery & Steam Generators.
8. Thermodynamics.
9. Engineering Materials.
10. Industrial Engineering etc.

Electrical Engineering

1. Network Analysis.
2. Electrical Instrumentation.
3. Electromagnetic Theory.
4. Switch Gear and Protection.
5. Power Electronics & Drives.
6. Electronics Devices.
7. Control Systems.
8. Analog and Digital Electronics.
9. Electrical Machines.
10. Utilization of Electrical Energy.
11. Power Systems etc.
12. Power System Analysis & Control.
13. Power System Protection.

Instrumentation Engineering

1. Basics of Circuits and Measurement Systems.
2. Analog Electronics.
3. Control Systems and Process Control.
4. Instrumentation.
5. Digital Electronics.
6. Communications.
7. Electrical and Electronic Measurements.
8. Analytical, Optical, and Biomedical.
9. Transducers, Mechanical Measurement, and Industrial Instrumentation.
10. Signal and Systems.
11. Analytical, Optical, and Bio-medical Instrumentation.