

# Indian Oil Corporation Limited

## IOCL JEA Electrical Engineer Syllabus

- Analog and Digital Electronics
- Systems and Signal Processing
- Control Systems
- Electrical Machines
- Electrical and Electronic Measurements
- Engineering Mathematics
- Electric Circuits and Fields
- Computer Fundamentals
- Basic Electronics Engineering
- Electrical Materials
- Power Systems
- Power Electronics and Drives

## IOCL Paradip Refinery Mechanical Engineer Syllabus

- Engineering Mechanics
- Engineering Materials
- Mechanisms and Machines
- Fluid Mechanics
- IC Engines, Refrigeration and Air conditioning
- Turbo Machinery
- Thermodynamics and Heat transfer
- Power Plant Engineering
- Renewable Sources of Energy
- Design of Machine Elements
- Manufacturing
- Industrial and Maintenance Engineering
- Mechatronics and Robotics

## IOCL Non-Executive Personnel Instrumentation Engineer Topics

- Digital Electronic Circuits
- Electrical Measurements
- Electronics Instruments
- Analog Electronics
- Analytical, Optical & Bio-Medical Instrumentation

# Indian Oil Corporation Limited

- Instrumentation
- Signals & Systems
- Control Systems
- Electronics Circuits
- Fundamentals
- Microprocessors and Micro Computers

## ଇଣ୍ଡିଆନ ଅଇଲ୍ କର୍ପୋରେସନ ଲିମିଟେଡ୍ JEA (P&UO&M) Aptitude Syllabus

- Probability
- Time and Distance
- Quadratic Equations
- Odd Man Out
- Races and Games
- Numbers and Ages
- Averages
- Mensuration
- Boats and Streams
- Simplification and Approximation
- Mixtures and Allegations
- Problems on Numbers
- Pipes and Cisterns
- Simple Interest
- Problems on LCM and HCF
- Profit and Loss
- Indices and Surds
- Simple Equations
- Permutations and Combinations
- Compound Interest
- Time and Work Partnership
- Problems on Trains
- Ratio and Proportion
- Areas
- Volumes
- Percentages

# Indian Oil Corporation Limited

## Indian Oil Corporation Limited General Knowledge Syllabus

- Important Days
- Indian History
- Books and Authors
- Awards and Honors
- Capitals of India
- Indian Economy
- Budget and Five Year Plans
- Current Affairs – National and International
- Indian National Movement
- Sports
- Abbreviations
- General Policy
- Countries and Capitals
- International and National Organizations
- Science and Technology
- Science – Inventions & Discoveries

## IOCL Paradip Refinery Syllabus - English

- Antonyms
- Active and Passive Voice
- Substitution
- Fill in the blanks
- Spotting Errors
- Passage Completion
- Idioms and Phrases
- Sentence Improvement
- Synonyms
- Spelling Test
- Substitution
- Prepositions
- Sentence Arrangement
- Sentence
- Completion
- Error Correction (Underlined Part)
- Transformation

# Indian Oil Corporation Limited

- Para Completion
- Joining Sentences
- Error Correction (Phrase in Bold)

## **iocl.com Junior Engineering Assistant-IV Reasoning Topics**

- Visual Memory
- Clocks
- Discrimination
- Space Visualization
- Odd man out
- Symbolic/ Number Classification
- Analytical Reasoning
- Letter series
- Arithmetical Number Series
- Relationship Concepts
- Figural Classification
- Similarities
- Shapes and Mirror
- Arithmetical Reasoning
- Coding-Decoding
- Venn diagrams
- Non-Verbal Test
- Semantic Analogy
- Number series
- Problem Solving