

**SAIL Durgapur Syllabus || Download SAIL Durgapur Steel Plant Exam
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SAIL Durgapur Exam Pattern

S.NO	Name of the Subjects	Marks	Exam Type
1	Quantitative Aptitude	25	Objective Type
2	Logical Reasoning	25	
3	English	25	
4	General Knowledge	25	
5	Engineering Stream	100	
Total		200	

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Quantitative Aptitude

- Time and Distance
- Average
- Chain Rule
- Time and Work
- Simplification
- Logarithm
- Ratio and Proportion
- Height and Distance
- Partnership
- Banker's Discount
- Problems on Ages
- Allegation or Mixture
- Numbers
- Decimal Fraction
- Permutation and Combination
- Area
- Problems based on H.C.F & L.C.M
- Stocks and Share

- Square Root and Cube Root
- Pipes and Cistern
- Compound Interest
- Probability
- Boats and Streams
- Volume and Surface Area
- Surds and Indices
- Simple Interest
- Races and Games

Logical Reasoning

- Blood Relations
- Statements & Arguments
- Arithmetical Reasoning
- Number Series
- Non-Verbal Series
- Alphabet Series
- Statements & Conclusions
- Data Interpretation
- Coding-Decoding
- Number Ranking
- Analogy
- Syllogism
- Directions
- Clocks & Calendars
- Decision Making
- Mirror Images
- Cubes and Dice
- Embedded Figures

English

- Sentence Arrangement
- Sentence Completion
- Joining Sentences
- Antonyms
- Error Correction
- Active Voice and Passive Voice
- Spotting Errors

- Para Completion
- Idioms and Phrases
- Passage Completion
- Substitution
- Fill in the blanks
- Synonyms
- Sentence Improvement
- Error Correction
- Prepositions

General Knowledge

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

Electronics and Communication Engineer

- VLSI and Embedded Systems
- Signals and Systems
- Electromagnetic Fields and antennas
- Computer Engineering
- Analog electronic circuits
- Communication Systems
- Control Systems and instrumentation
- Electronic Communication
- Digital Signal and Image Processing

- Semiconductor Theory and Electronic Devices
- Circuit Theory

Mechanical Engineering

- Probability & Statistics
- Operations
- Operations Research
- Vector Calculus
- Fluid Mechanics
- Refrigeration and air-conditioning
- Engineering Materials
- Turbomachinery
- Theory of Machines
- Metal Casting
- Calculus
- The design of Machine Elements
- Thermodynamics
- Differential Equations
- Tool Engineering
- The Strength of Materials
- Joining Processes
- Forming Processes
- Numerical Methods
- Engineering Mechanics

Civil Engineering

- Transportation Engineering
- Concrete/ Construction Technology
- Fluid Mechanics
- Engineering Mechanics
- Structural Engineering/Steel/ Reinforced Cement Concrete
- Civil Engineering Materials
- Environmental Engineering
- The Strength of Materials
- Structural Engineering/RCC design
- Soil Mechanics
- Survey estimating

Electrical Engineering

- Electrical Engineering Materials
- Machines
- Instruments
- Electrical Measurements & Measuring
- Microprocessor
- Analog Circuits/ Electronics
- Digital Electronics
- Power Electronics & Drives
- Circuit Theory
- Control System
- Power Systems
- Electrical Basics
- Network theory

Chemical Engineer

- Instrumentation and Process Control
- Process Calculations and Thermodynamics
- Fluid Mechanics and Mechanical Operations
- Chemical Technology
- Chemical Reaction Engineering.
- Plant Design and Economics
- Mass Transfer
- Heat Transfer