

GAIL India Junior, Senior Associate Syllabus 2023 & Exam Pattern

GAIL India Junior, Senior Associate Syllabus 2023



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GAIL India Associate Syllabus For General Awareness

- Economy
- Sports
- General Polity
- History
- Culture
- Geography
- Indian Constitution
- Scientific Research & Technology
- Current Events - National & International

GAIL India Associate Syllabus For English

- Sentence Completion
- Substitution
- Fill in the blanks
- Spotting Errors
- Prepositions
- Spelling Test
- Idioms and Phrases
- Error Correction (Phrase in Bold)
- Active and Passive Voice

- Transformation
- Sentence Improvement
- Antonyms
- Joining Sentences
- Para Completion
- Sentence Arrangement
- Error Correction (Underlined Part)
- Synonyms

GAIL India Associate Syllabus For Chemical Engineering

- Chemical Process
- The Process of Dynamics
- Petroleum Refinery Engineering
- Reaction Engineering
- Stoichiometry
- Chemical engineering Thermodynamics
- Heat Transfer
- Nuclear Power Energy
- Materials and Construction
- Fertilizers Technology
- Fuels and Combinations
- Materials and Constructions
- Property of Matter
- Chemical Reaction Engineering
- Mass Transfer

GAIL India Associate Syllabus For Electrical Engineering

- Basic concepts
- Synchronous Machines
- AC Fundamentals
- Estimation and Costing
- Utilization and Electrical Energy
- Circuit law
- Electrical Machines
- Generation
- Transmission and Distribution
- Basic Electronics
- Magnetic Circuit
- Measurement and Measuring Instruments
- Fractional Kilowatt Motors & single phase Induction Motors

GAIL India Associate Syllabus For Reasoning & General Intelligence

- Decision Making.
- Figure Classification.
- Problem-Solving

- Relationship Concepts.
- Visual Memory.
- Arithmetical Number Series
- Judgment
- Space Visualization.
- Analysis.
- Similarities and Differences.
- Discriminating Observation.

GAIL India Associate Syllabus For Aptitude

- Decimals
- Number Systems
- Averages
- Percentages
- Discount
- Interest
- Whole Numbers
- Time and Distance
- Fractions Numbers
- Time and Work
- Ratio and Time
- Profit and Loss
- Ratios and Proportions
- Mensuration
- Ratio and Time
- Use of Tables & Graphs
- Fundamental Arithmetical Operations

GAIL India Associate Syllabus For Mechanical Engineering

- Specification.
- Hydraulic Turbines.
- Properties & Classification of Fluids.
- Nozzles & Steam Turbines.
- Air Compressors & their cycles.
- Boilers.
- IC Engine Cooling & Lubrication.
- Basic principles.
- Measurement of Flow rate.
- Fluid kinematics.
- 2nd Law of Thermodynamics.
- Properties of Pure Substances.
- Classification of steels.
- The Principle of the Refrigeration Plant.
- IC Engine Performance.
- IC Engines Combustion.
- 1st Law of Thermodynamics.

- Classification.
- Fitting & Accessories.
- Refrigeration cycles.
- Centrifugal Pumps.
- Rankine cycle of System.
- Air standard Cycles for IC Engines.
- Theory of Machines and Machine Design
- Dynamics of Ideal fluids.
- Engineering Mechanics and Strength of Materials.
- Fluid Statics, Measurement of Fluid Pressure.

GAIL India Associate Syllabus For Accountants

- Auditing.
- Indian Economics
- Book Keeping & Accountancy.
- Business Methods.

GAIL India Associate Syllabus For Instrumentation

- Transducers.
- Analog Electronics
- Electrical and Electronics
- Digital Electronics
- Signal and Systems
- Industrial Instrumentation
- Signal and Systems
- Analytical Optical and Bio-Medical Instrumentation
- Basics of Circuits and Measurement Systems

GAIL India Junior, Senior Associate Selection Process

The shortlisted candidates will have to undergo selection for engagement for the post(s) as below:

Senior Associate

- Written test and a personal interview.

Junior Associate

- Written test and/or Skill Test.

GAIL India Junior, Senior Associate Exam Centers

Candidates have to give preference of city of their Test Centre while filling online application and no change under any circumstances will be considered subsequently. However, GAIL

Gas reserves the right to assign any test centre, cancel or add any centre. The tentative test centre options are- Delhi-NCR, Bengaluru, Bhopal and Ranchi.

Please Note:

This is a tentative syllabus. The official syllabus will be available after the release of the syllabus notification.

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