

SAIL Bokaro Steel Plant



SAIL Bokaro OCTT & ACTT Exam Pattern

Sl No.	POST	WRITTEN EXAM SEGMENTS (100 questions)
1	OCTT	a. General English (10 Questions) b. General Knowledge(10 Questions) c. Reasoning (15 Questions) d. Mathematics (15 Questions) e. Relevant Diploma Engineering Stream (50 Questions)
2	OCT (Boiler)	a. General English (10 Questions) b. General Knowledge(10 Questions) c. Reasoning (15 Questions) d. Mathematics (15 Questions) e. Boiler Competency (50 Questions)
3	ACTT (AITT)	a. General Awareness (40 Questions) b. Logical Reasoning (30 Questions) c. Quantitative Aptitude (30 Questions)

SAIL Bokaro OCTT, ACTT Syllabus

General Knowledge/ General Awareness

- Scientific Research.
- Budget and Five Year Plans.
- Sports-Athlete such as essential knowledge.
- Economy.
- Science – Inventions & Discoveries.
- Economy, Banking, and Finance.
- General Politics.

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- India and its neighboring countries.
- Scientific progress development.
- Capital.
- Knowledge of Current Events.
- Important Financial & Economic News.
- Culture.
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- Geography.
- Indian Constitution.
- Science – Inventions & Discoveries.
- Economy, Banking, and Finance.
- General Politics.
- Geography.
- Indian Constitution.
- History.
- Countries & Capitals.
- Important Financial & Economic News.
- Culture.
- General knowledge.
- Current Affairs – National & International.Script.

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- Books.
- Indian Languages.
- National & International Awards.
- Currency.

Reasoning

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

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- Non-Verbal Series.
- Statements & Conclusions.

General English

- Meanings.
- Unseen Passages.
- Grammar.
- Synonyms
- Missing Verbs.
- Sentence Corrections.
- Cloze Test.
- Antonyms.
- Idioms & Phrases.
- Phrase Replacement.
- Word Formations.
- Adverb.
- Para Jumbles.
- Sentence Rearrangement.
- Subject-Verb Agreement.
- Reading Comprehension.
- Error Spotting/Phrase Replacement.
- Verb.

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- Fill in the Blanks.
- Adjectives.
- Articles.

Mathematics

- Basic arithmetical operations.
- The relationship between Numbers.
- Ratio and Proportion.
- Percentages.
- Interest.
- Averages.
- Discount.
- Profit and Loss.
- Mensuration.
- Use of Tables and Graphs.
- Ratio and Time.
- Time and Distance.
- Analogies.
- Trigonometry.
- Algebra
- Statistics.
- Arithmetic

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- Geometry
- Analysis.
- Decision Making.
- Verbal and Figure Classification.
- Relationship Concepts.
- Arithmetical Number Series.
- Non-Verbal Series.
- Number Systems.
- Decimals and Fractions.
- Computation of Whole Numbers.
- Time and Work.
- Similarities & Differences.
- Problem Solving.
- Space Visualization.
- Judgment.

Quantitative Aptitude

- Time and Work.
- Height and Distance.
- Chain Rule.
- Time and Distance.
- Blood Relations.

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- Clocks & Calendars.
- Average.
- Ratio and Proportion.
- Logarithm.
- Allegation or Mixture.
- Problems on Ages.
- Pipes and Cistern.
- Probability.
- Surds and Indices.
- Data Interpretation.
- Partnership.
- Compound Interest.
- Boats and Streams.
- Volume and Surface Area.
- Area.
- Simple Interest.
- Square Root and Cube Root.
- Permutation and Combination.
- Decimal Fraction.
- Problems on H.C.F and L.C.M.
- Simplification.

Diploma Engineering

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Civil Engineering

- Transportation Engg.
- Soil Mechanics.
- Building Materials
- Quality Surveying.
- Surveying.
- Hydraulics.
- Engineering Mechanics.
- Environmental and Irrigation Engineering

Electrical Engineering

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

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- Power Electronics and Drives

Mechanical Engineering

- Theory of Machines.
- Engineering Mechanics.
- <https://www.freshersnow.com/syllabus/>
- Tool Engineering.
- The Strength of Materials.
- Operations Research.
- Joining Processes.
- Turbomachinery.
- Forming Processes.
- Metal Casting.
- Thermodynamics and Statistical Mechanics.
- Vector Calculus.
- Numerical Methods.
- Operations.
- Calculus.
- Fluid Mechanics.
- The design of Machine Elements.
- Refrigeration and air-conditioning.
- Thermodynamics.

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- Engineering Materials.
- Probability & Statistics.
- Differential Equations.

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<u>SAIL Bokaro Previous Question Papers</u>	<u>SAIL Bokaro ACTT Admit Card</u>
<u>Jharkhand Govt Jobs</u>	