

Vizag Steel Junior Trainee Syllabus | Check RINL JT Exam Pattern @ vizagsteel.com

RINL Vizag Steel Junior Trainee Exam Pattern

Segment	Name of the Subjects	No. of Questions	Duration
I	General Aptitude (Arithmetic, Reasoning, Data Interpretation Etc)	75	2 hours
	General Awareness/General Knowledge		
II	Knowledge of English	75	
	Respective Technical Subject Questions		
	Total	150	

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General Aptitude

- Mensuration
- Analogies
- Number Series
- Profit, Loss, and Discount
- Average
- Fundamental Arithmetical Operations
- Ratios and Proportion
- Time, Work and Distance
- Simple & Compound Interest
- Percentage
- Verbal and Figure Classification
- Similarities & Differences
- Space Visualization
- Problem-Solving
- Decision Making
- Arithmetical Reasoning
- Non-verbal Series
- Data Interpretation

General Awareness

- Important Financial & Economic News
- Science – Inventions & Discoveries
- Sports
- International & National Organizations
- Awards and Honours

- Countries & Capitals
- National & International Current Affairs
- Books and Authors
- Important Days & Dates

English

- Reading Comprehension
- Synonyms & Antonyms
- Sentence Correction
- Idioms and Phrases
- Fill in the Blanks
- Grammar
- Passage Completion
- Error Detection
- Subject-Verb Agreement

Electrical Engineering Syllabus

- Electrical and Electronic Measurements
- Electric Circuits and Fields
- Analog and Digital Electronics
- Electrical Machines
- Control Systems
- Signals and Systems
- Power Systems
- Power Electronics and Drives

Mechanical Syllabus

- Machine Design
- Strength of Materials
- Fluid Mechanics
- Theory of Machines
- Inventory Control
- Metal Casting
- Machining and Machine Tool Operations
- Thermodynamics
- Heat Transfer
- Energy conservation
- Meteorology and Inspection

Instrumentation

- Signal and Systems
- Instrumentation
- Analog Electronics
- Analytical, Optical, and Biomedical
- Control Systems and Process Control
- Analytical, Optical and Bio-medical Instrumentation

- Digital Electronics
- Basics of Circuits and Measurement Systems
- Transducers, Mechanical Measurement, and Industrial Instrumentation

Computer Science

- Digital Electronics
- Data Structure
- Operating System
- Networking
- OS Fundamentals
- OSI Layer
- Programming language/OO & C++
- Compiler Design
- Theory of Computation
- Database

Metallurgy

- Physical Metallurgy
- Foundry Technology
- Material Science
- Mechanical Metallurgy
- General Metallurgy
- Welding & Corrosion
- Extractive Metallurgy

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