

RRB Technician Syllabus 2025

The [RRB Technician exam](#) is conducted to select candidates for Grade 1 (signal) and Grade 3 technical posts in Indian Railways.

RRB Technician Syllabus for Technician Gr I Signal

RRB Technician Gr I Signal syllabus includes Maths; General Intelligence and Reasoning; General Awareness for current and static knowledge; Basics of Computers and Applications; and Basic Science & Engineering focusing on fundamental principles of physics, electronics, and electrical engineering.

RRB Technician Syllabus for Technician Gr I Signal	
Subjects	Sections
Mathematics	<ul style="list-style-type: none">● Simplification and Approximation● Coordinate Geometry● Mensuration● Arithmetic● Trigonometry● Number Series● Probability● Algebra● Ratio and Proportion● Speed, Distance & Time● Number System● Profit and Loss● Time and Work● Interest● Percentages● Averages

<p>General Intelligence and Reasoning</p>	<ul style="list-style-type: none"> ● Analogies ● Alphabetical and Number Series ● Coding and Decoding ● Mathematical operations ● Relationships ● Syllogism ● Jumbling ● Venn Diagram ● Data Interpretation and Sufficiency ● Conclusions and decision making ● Similarities and differences Analytical reasoning ● Classification ● Directions ● Statement-Arguments cement-Arguments and Assumptions, etc
<p>General Awareness</p>	<ul style="list-style-type: none"> ● Knowledge of Current affairs ● Indian Geography ● Culture and History of Including Freedom Struggle ● Indian Polity and Constitution ● Indian Economy ● Environmental Issues Concerning India and the World ● Sports ● General scientific and technological developments, etc.
<p>Basics of Computers and Applications</p>	<ul style="list-style-type: none"> ● Architecture of Computers ● Input and Output devices; Storage devices, Networking ● Operating Systems like Windows, Unix, Linux; MS Office ● Various data representation ● Internet and Email ● Websites & Web Browsers ● Computer Virus

Basic Science & Engineering	Units and Measurements, Mass, Weight, Density, Work, Power and Energy, Speed and Velocity, Heat and Temperature, Electric Charge, Field and Intensity, Electric Potential and Potential Difference, Simple Electric Circuits, Conductors, Non-conductors/Insulators, Ohm's Law and its Limitations, Resistances in Series and Parallel of a Circuit, Specific Resistance, Relation between Electric Potential, Energy and Power (Wattage), Ampere's Law, Magnetic Force on Moving Charged Particle and Long Straight Conductors, Electromagnetic Induction, Faraday's Law, Electromagnetic Flux, Magnetic Field, Magnetic Induction, Digital Electronics, Electronic Devices and Circuits, Basic Electronics, Microcontroller, Microprocessor, Electronic Measurements, Measuring Systems and Principles, Cathode Ray Oscilloscope, Range Extension Methods, LCD, LED Panel, Transducers.
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RRB Technician Syllabus for Technician Gr III

RRB Technician Gr III syllabus covers Maths for problem-solving skills; General Intelligence and Reasoning to evaluate logical abilities; GA involving current events and general knowledge; and General Science focusing on basic concepts of physics, chemistry, and life sciences.

RRB Technician Syllabus for Technician Gr III	
Subjects	Topics

Mathematics	<ul style="list-style-type: none">● Number system● BODMAS● Decimals● Fractions● LCM and HCF● Ratio and Proportion● Percentages● Mensuration● Time and Work● Time and Distance● Simple and Compound Interest● Profit and Loss● Algebra● Geometry and Trigonometry● Elementary Statistics● Square Root● Age Calculations● Calendar & Clock● Pipes & Cistern
General Intelligence & Reasoning	<ul style="list-style-type: none">● Analogies● Alphabetical and Number Series● Coding and Decoding● Mathematical operations● Relationships● Syllogism● Jumbling● Venn Diagram● Data Interpretation and Sufficiency● Conclusions and decision making● Similarities and differences● Analytical reasoning● Classification● Directions● Statement – Arguments and Assumptions etc
Basic Science	<ul style="list-style-type: none">● Physics● Chemistry● Life Sciences

General Awareness

- Science & Technology
- Sports
- Culture
- Personalities
- Economics
- Politics and any other subjects of importance