

# **RRB Technician Syllabus**

## **RRB Technician Syllabus 2025 Grade 1**

| Subject                              | Topics  |
|--------------------------------------|---|
| Mathematics                          | 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, Percentage, Averages  |
| General Intelligence and Reasoning   | Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical Operations, Relationships, Syllogism, Jumbling, Venn Diagrams, Data Interpretation and Sufficiency, Conclusions and Decision-Making, Similarities and Differences, Analytical Reasoning, Classification, Directions, Statement – Arguments and Assumptions |
| General Awareness                    | Knowledge of Current Affairs, Indian Geography, Culture and History (Including Freedom Struggle), Indian Polity and Constitution, Indian Economy, Environmental Issues (India and the World), Sports, General Scientific and Technological Developments   |
| Basics of Computers and Applications | Architecture of Computers, Input and Output Devices, Storage Devices, Networking, Operating Systems (Windows, Unix, Linux), MS Office, Various Data Representation, Internet and Email, Websites & Web Browsers, Computer Virus   |

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| Basic Science and Engineering | <p>Electricity and Magnetism: Electric Charge, Field, and Intensity, Electric Potential, Simple Electric Circuits, Conductors and Insulators, Ohm's Law, Resistances in Series and Parallel, Relation between Electric Potential, Energy, and Power, Ampere's Law, Magnetic Force on Moving Charged Particle, Electromagnetic Induction, Faraday's Law.</p> <p>Electronics and Measurements: Basic and Digital Electronics, Electronic Devices and Circuits, Microcontroller, Microprocessor, Electronic Measurements, Measuring Systems, Range Extension Methods, Cathode Ray Oscilloscope, LCD, LED Panel, and Transducers.</p> <p>Physics Fundamentals: Units, Measurements, Mass, Weight, Density, Work, Power, Energy, Speed, Velocity, Heat, and Temperature.</p> |
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### **RRB Technician Syllabus 2025 Grade 3**

| Subject                            | Topics  |
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| Mathematics                        | 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 and Reasoning | Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical Operations, Relationships, Syllogism, Jumbling, Venn Diagrams, Data Interpretation and Sufficiency, Conclusions and Decision-Making, Similarities and Differences, Analytical Reasoning, Classification, Directions, Statement – Arguments and Assumptions |

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| Basic Science            | Units, Measurements, Mass, Weight, Density, Work, Power, Energy, Speed, Velocity, Heat, Temperature, Basic Electricity, Levers and Simple Machines, Occupational Safety and Health, Environment Education, IT Literacy  |
| General Awareness        | Current Affairs, Indian History, Geography, Indian Polity and Governance, General Science, Indian Economy, Sports, Art and Culture of India, General Scientific and Technological Developments, Famous Personalities, Important Government Schemes and Programs |
| Basic Computer Knowledge | Fundamentals of Computers, Operating Systems, MS Office, Internet and Email, Cyber Security, Computer Hardware and Software, Networking Basics  |