

RRB Technician Exam Pattern 2024

Grade 1 Signal CBT Exam Pattern

The initial stage of the RRB Technician Grade 1 Signal exam is the Computer-Based Test (CBT). We have mentioned below the exam pattern for the better understanding of the candidates.

- **No marks will be deducted for unanswered questions.**
- **If a question is answered incorrectly, 1/3 of a mark will be deducted.**
- **Total time allotted is 90 minutes**

Subjects	No. of Questions	Total Marks
General Awareness	10	10
General Intelligence & Reasoning	15	15
Basics of Computers and Applications	20	20
Mathematics	20	20
Basic Science and Engineering	35	35
Total	100	100

Grade 3 Technician CBT Exam Pattern

In the RRB Technician Grade 3 exam, the initial stage is the Computer-Based Test (CBT). The exam pattern, explained in the table and points below, provides candidates with valuable information for preparing effectively.

- **No marks will be taken away for questions left unanswered.**
- **If a question is answered incorrectly, 1/3 of a mark will be deducted.**
- **Total time allotted is 90 minutes**

Subjects	No. of Questions	Total Marks
Mathematics	25	25
General Intelligence & Reasoning	25	25
General Science	40	40
General Awareness	10	10
Total	100	100

RRB Technician Document Verification

- **Shortlisting for Document Verification:** Based on marks and merit in the CBT for the respective Pay Levels.

- **Appointment Conditions:** The appointment is subject to passing the Medical Fitness Test, final document verification, and character assessment.

RRB Technician Grade 1 Syllabus

We have mentioned below the RRB Technician Grade 1 Syllabus which will help aspirants in their preparation journey.

Subjects	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, Percentages, Averages
General Intelligence and Reasoning	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 a and Assumptions, etc
General Awareness	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.
Basics of Computers and Applications	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	Physics fundamentals- Units, Measurements, Mass, Weight, Density, Work, Power, and Energy, Speed and Velocity, Heat and Temperature
	Electricity and Magnetism- 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 and 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, and Electromagnetic Flux, Magnetic Field, Magnetic Induction
	Electronics and Measurements- Basic Electronics, Digital Electronics, Electronic Devices and Circuits, Microcontroller, Microprocessor, Electronic Measurements, Measuring Systems and Principles, Range Extension Methods, Cathode Ray Oscilloscope, LCD, LED Panel, and Transducers.

RRB Technician Grade 3 Syllabus

We have mentioned below the RRB Technician Grade 3 Syllabus which will help aspirants in their preparation journey.

Subjects	Topics
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 & Reasoning	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	Units, Measurements, Mass, Weight and Density, Work Power and Energy, Speed and Velocity, Heat and Temperature, Basic Electricity, Levers and Simple Machines, Occupational Safety and Health, Environment Education, IT Literacy etc
General Awareness	Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance