

RRB Technician Grade 1 (Signal) – Syllabus

Subject	Topics
General Awareness	Current Events (National & International), Indian Geography, Culture & History (incl. Freedom Struggle), Indian Polity & Constitution, Indian Economy, Environmental Issues, Sports, Science & Technology developments, Books & Authors, Awards & Honors.
General Intelligence & Reasoning	Analogies, Alphabetical & Number Series, Coding & Decoding, Mathematical Operations, Relationships, Syllogism, Jumbling, Venn Diagrams, Data Interpretation & Sufficiency, Conclusions & Decision Making, Similarities & Differences, Analytical Reasoning, Classification, Directions, Statements–Arguments–Assumptions, etc.
Basics of Computers & Applications	Computer Fundamentals, Architecture (Input/Output/Storage), Operating Systems (Windows/Linux), MS Office (Word/Excel/PowerPoint), Networking Basics, Internet & Email, Web Browsers, Computer Virus & Security.
Mathematics	Number System, Rational & Irrational Numbers, BODMAS rule, Quadratic Equations, Arithmetic Progression, Similar Triangles, Pythagoras Theorem, Coordinate Geometry, Trigonometric Ratios, Heights & Distances, Surface Area & Volume, Sets & Venn diagrams, Statistics (Measures of Dispersion), Probability.
Basic Science & Engineering	Physics Fundamentals: Units & Measurements, Mass/Weight/Density, Work/Energy/Power, Heat & Temperature, Speed & Velocity. Electricity & Magnetism: Electric Charge/Field/Potential, Simple Circuits, Ohm's Law, Series & Parallel Resistance, Magnetic Fields. Electronics: Basic Electronics, Digital Electronics, Electronic Devices & Circuits, Microcontrollers/Microprocessors, Electronic Measurements & Instruments.

RRB Technician Grade 3 (Signal) – Syllabus

Subject	Topics
Mathematics	Number System, BODMAS, Decimals & Fractions, Ratio & Proportion, Simple & Compound Interest, Profit & Loss, Percentages, LCM & HCF, Square Root, Speed–Time–Distance, Pipes & Cisterns, Algebra, Time & Work, Elementary Statistics, Age Calculations, Geometry & Trigonometry, Mensuration.
General Intelligence & Reasoning	Analogies, Alphabetical & Number Series, Coding & Decoding, Mathematical Operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation & Sufficiency, Conclusions & Decision Making, Similarities & Differences, Analytical Reasoning, Classification, Directions, Statements–Arguments–Assumptions, etc.
General Science	Work, Power & Energy, Environment Education, Units & Measurements, Heat & Temperature, Speed & Velocity, Basic Electricity, Levers & Simple Machines, Mass/Weight/Density, Occupational Safety & Health.
General Awareness	Current Affairs (National & International), Sports, Culture, Famous Personalities, Science & Technology, Books & Authors, Environment & Society related topics.