

# RRB Technician Grade 1 (Signal) – Syllabus

<b>Subject</b>	<b>Topics</b>
<b>General Awareness</b>	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.
<b>General Intelligence &amp; Reasoning</b>	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.
<b>Basics of Computers &amp; Applications</b>	Computer Fundamentals, Architecture (Input/Output/Storage), Operating Systems (Windows/Linux), MS Office (Word/Excel/PowerPoint), Networking Basics, Internet & Email, Web Browsers, Computer Virus & Security.
<b>Mathematics</b>	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.
<b>Basic Science &amp; Engineering</b>	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 1 Exam Pattern

<b>Subjects</b>	<b>No. of Questions</b>	<b>Marks</b>
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
<b>Total</b>	<b>100</b>	<b>100</b>