RRB Technician Syllabus 2026 (CEN 02/2026): Grade I Signal & Grade III

RRB Technician CEN 02/2026 · Railway Recruitment Boards (RRB) · Railway · All India · 2026

Last updated 08 Oct 2026

Overview

Official syllabus and exam pattern for Technician Grade I Signal (Pay Level 5) and Technician Grade III (Pay Level 2) under CEN 02/2026. Each pay level has its own computer-based test; selection is CBT -> document verification -> medical examination.

Important information

Item	Details
Stages	CBT -> document verification -> medical examination (separate CBT for each pay level)
CBT (each level)	100 questions, 90 minutes
Negative marking	1/3 mark per wrong answer
Minimum marks for eligibility	UR 40%, EWS 40%, OBC (NCL) 30%, SC 30%, ST 25% (relaxable by 2 marks for PwBD if short)
Applications	A separate application is needed for each pay level

Exam pattern

Paper / Stage	Subjects	Questions	Marks	Duration
CBT — Technician Grade I Signal (Level 5)	General Awareness (10), Reasoning (15), Basics of Computers (20), Mathematics (20), Basic Science & Engineering (35)	100	100	90 min
CBT — Technician Grade III (Level 2)	Mathematics (25), Reasoning (25), General Science (40), General Awareness (10)	100	100	90 min

Detailed syllabus

1. Grade I Signal: General Awareness (10 marks)

- Current affairs
- Indian geography
- Culture and history of India including freedom struggle
- Indian Polity and constitution
- Indian Economy
- Environmental issues
- Sports
- Scientific and technological developments

2. Grade I Signal: General Intelligence and Reasoning (15 marks)

- 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

3. Grade I Signal: Basics of Computers and Applications (20 marks)

- Architecture of Computers
- Input and Output devices
- Storage devices
- Networking
- Operating Systems like Windows, Unix, Linux
- MS Office
- Data representation
- Internet and Email
- Websites & Web Browsers
- Computer Virus

4. Grade I Signal: Mathematics (20 marks)

- Number system, rational and irrational numbers
- BODMAS rule
- Quadratic Equations
- Arithmetic Progression
- Similar Triangles
- Pythagoras Theorem
- Co-ordinate Geometry
- Trigonometrical Ratios
- Heights and distances
- Surface area and Volume
- Sets: representation, types, subsets, Venn diagrams, union, intersection, difference, complement
- Statistics: range, mean deviation, variance and standard deviation
- Probability: exhaustive and mutually exclusive events

5. Grade I Signal: Basic Science and Engineering (35 marks)

- Physics fundamentals: units, measurements, mass, weight, density, work, power, energy, speed, velocity, heat and temperature

- Electricity and magnetism: charge, field, potential, circuits, conductors and insulators, Ohm's law, series and parallel resistances, Ampere's law, electromagnetic induction, Faraday's law
- Electronics and measurements: basic and digital electronics, devices and circuits, microcontroller, microprocessor, electronic measurements, CRO, LCD, LED panel, transducers

6. Grade III: Mathematics (25 marks)

- Number system
- BODMAS
- Decimals
- Fractions
- LCM, 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

7. Grade III: General Intelligence and Reasoning (25 marks)

- 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

8. Grade III: General Science (40 marks)

- Physics
- Chemistry
- Life Sciences

10th standard level.

9. Grade III: General Awareness (10 marks)

- Science & technology
- Sports
- Culture
- Personalities
- Economics
- Politics
- Other subjects of importance

Current affairs in these areas.

Official sources

Official syllabus: https://rrbsecunderabad.gov.in/wp-content/uploads/2026/06/Detailed_CEN_02_2026.pdf

Official website: https://rrbsecunderabad.gov.in

Online version: https://www.jobnirdesh.com/syllabus/rrb-technician-syllabus-2026

Always confirm the syllabus with the official notification of the conducting body before you prepare or apply.