

Railway RRB Technician Grade III Exam Blueprint (CEN 02/2025)

The Railway Recruitment Board (RRB) has established a definitive selection procedure for the Pay Level 2 positions, specifically targeting **Technician Gr III** cadres. The screening process relies heavily on a comprehensive Computer Based Test (CBT). Below is the detailed breakdown of the test parameters, criteria, and syllabus areas designed to streamline your preparation strategy.

CBT Exam Pattern & Marking Guidelines

Understanding the evaluation structure is crucial for maximizing your performance in the online exam. The core testing parameters are configured as follows:

- **Total Assessment Time:** Candidates must complete the examination within a continuous duration of **90 minutes**.
- **Total Number of Questions:** The test features exactly **100 questions**, all structured as objective-type multiple-choice questions (MCQs).
- **Negative Marking Scheme:** Accuracy is vital. A penalty of **rd mark** is strictly enforced for every incorrect attempt. $\frac{1}{3}$
- **Score Normalization Method:** Since the CBT is conducted across multiple operational shifts, a statistical normalization standard is applied to eliminate any shift-based variance in difficulty levels.

Category-Wise Minimum Passing Percentages

To qualify for the next phases of the recruitment drive, candidates are required to score a minimum percentage based on their category:

Candidate Community Category	Required Minimum Marks
UR (Unreserved)	40%
Candidate Community Category	Required Minimum Marks
EWS (Economically Weaker Sections)	40%
OBC (Non-Creamy Layer)	30%
SC (Scheduled Caste)	30%
ST (Scheduled Tribe)	25%

Special Relaxation Benchmarks: * Ex-Servicemen: The eligibility percentages remain fully applicable to Ex-Servicemen candidates in alignment with their respective

community standards. * **PwBD Candidates:** In situations where there is a clear deficit of suitable PwBD applicants against reserved openings, these minimum passing thresholds can be relaxed by up to 2%.

Comprehensive Subject-Wise Syllabus

Note: The subject categories listed below serve as an illustrative guide to help you build a foundational preparation strategy; however, exam questions are not strictly confined to these specific boundaries.

1. Mathematics

This section gauges core numerical aptitude, basic algebra, geometric calculations, and commercial arithmetic.

- **Arithmetic Operations:** Number system foundations, BODMAS rules, simplification, decimals, and fractional values.
- **Factors & Proportions:** Lowest Common Multiple (LCM), Highest Common Factor (HCF), Ratio and Proportion, and Percentages.
- **Commercial Math:** Simple and Compound Interest calculations, along with Profit and Loss scenarios.
- **Time & Spatial Problems:** Core problems on Time and Work, Time and Distance, and operational mechanics of Pipes and Cisterns.
- **Advanced Concepts:** Foundational Algebra, Geometry and Trigonometry, Mensuration formulas, and Elementary Statistics.
- **Miscellaneous Aptitude:** Square Root derivations, Age Calculations, and Calendar & Clock puzzles.

2. General Intelligence and Reasoning

Formulated to analyze logical thinking, pattern recognition, and conceptual problem-solving capabilities.

- **Pattern Logic:** Verbal and non-verbal Analogies, Alphabetical Series, Number Series, and advanced Coding and Decoding structures.
- **Analytical Operations:** Mathematical operations, Jumbling words/numbers, and Venn Diagram applications.
- **Deductive Reasoning:** Syllogism parameters, Data Interpretation and Sufficiency, and extracting Conclusions or making strategic decisions.
- **Spatial & Logic Relations:** Identifying similarities and differences, Analytical reasoning, blood relationships, Classification systems, and complex Directions.
- **Logical Structuring:** Evaluating statements along with their corresponding Arguments and Assumptions.

3. General Science

A core technical segment that requires solid fundamental knowledge spanning basic science up to school graduation benchmarks.

- **Physics:** Matriculation (10th standard) level conceptual physics.
- **Chemistry:** Basic chemical reactions, elements, and compounds at a 10th grade level.
- **Life Sciences:** Foundational biology and environmental life sciences conforming to 10th-standard educational parameters.

4. General Awareness

This segment addresses a candidate's overall consciousness regarding major developments globally and within India.

- **Innovation & Technical Growth:** Ongoing advancements in Science & Technology.
 - **Sports & Culture:** National and international sports milestones, cultural events, and traditional heritage.
 - **Prominent Figures:** Influential global and national personalities across different sectors.
 - **Civics & Finance:** Economic trends, domestic and international politics, and any other matters carrying general public importance.
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Tentative Question Weightage & Marks Distribution

The table below presents the indicative subject-wise breakdown for the Technician Grade III assessment. While this serves as a reliable structural guide, minor variations may occur in the actual test question paper.

Assessment Subject Areas	Number of Questions	Maximum Sector Marks
Mathematics	25 Questions	25 Marks
General Intelligence & Reasoning	25 Questions	25 Marks
General Science	40 Questions	40 Marks
General Awareness	10 Questions	10 Marks
Complete Exam Blueprint	100 Questions	100 Marks

Official Syllabus Data Curated and Managed via AddaResult.com Portal