

RRB Technician Syllabus 2024

Railway Recruitment Board Technician Grade 1 & 3 Syllabus and Exam pattern is what most of the aspirants are looking for. Recent announcement of RRB Technician Recruitment 2024 for 14298 Vacancies have drawn the attention of the job seekers in Railways. Thus, after the online application the aspirants are sure to start the preparation. In this regard, the RRB Technician Grade 1 & 3 Syllabus and Exam Pattern is of paramount importance. Hence, the complete information on Railways Technician Syllabus 2024 is shared through the sections below.

Good News for the aspirants who were waiting for the Technician Vacancy in Indian Railways. With the announcement of 14298 vacancy of technician by RRB, these aspirants have got the opportunity of lifetime. The post of technician is very crucial in Indian Railways and thus RRB selects the best of candidates against the vacancies through a stringent selection process. Therefore, it is expected that the job seekers prepare according to the official RRB Technician Syllabus and Exam Pattern which we have discussed below.

RRB Technician Recruitment 2024 Exam Pattern

The Selection of Railway Recruitment Board Technician Posts is through a Computer Based Test (CBT). The performance of the CBT will be the main criteria of selection. Although the DV & ME is there in the selection process, but these are qualifying in nature. As such, the merit list of RRB Technician Recruitment 2024 will be on the score of the CBT. Thus, the exam pattern of the CBT in r/o RRB Technician Selection 2024 is shared as under –

RRB Technician Grade 1 Signal CBT Pattern

Tentative subject-wise break-up of questions and marks for CBT of Technical Gr I Signal				
Question Type	Subjects	No of Qs	Marks	Durat
Objective (MCQ)	General Awareness	10	10	90 min
	General Intelligence and Reasoning	15	15	
	Basics of Computers and Applications	20	20	
	Mathematics	20	20	

	Basics Science and Engineering	35	35	
Total		100	100	

- Duration: 90 minutes (with 30 minutes extra time for PwBD candidates using scribe)
- There shall be negative marking @ 1/3rd marks for each wrong answer.
- Normalisation of marks will be done for CBT held in multiple shifts.
- Minimum pass percentage for eligibility: UR & EWS – 40%, OBC (NCL) – 30%, SC-30%, ST – 25%.
- The marks scored in the CBT shall be counted for short listing the candidates for further stage of the recruitment process.

You may check >> [RRB Technician Previous Question Papers](#)

RRB Technician Grade 3 CBT Pattern

Tentative subject-wise break-up of questions and marks for CBT of Technical Gr 3 Signal				
Question Type	Subjects	No of Qs	Marks	Durat
Objective Type (MCQ)	Mathematics	25	25	90 min
	General Intelligence and Reasoning	25	25	
	General Science	40	40	
	General Awareness	10	10	
Total		100	100	

- Duration: 90 minutes (with 30 minutes extra time for PwBD candidates using scribe)
- There shall be negative marking @ 1/3rd marks for each wrong answer.
- Normalisation of marks will be done for CBT held in multiple shifts.
- Minimum pass percentage for eligibility: UR & EWS – 40%, OBC (NCL) – 30%, SC-30%, ST – 25%.

- The marks scored in the CBT shall be counted for short listing the candidates for further stage of the recruitment process.

Also Check >> [RRB Technician Admit Card / Exam Date Here](#)

RRB Technician Syllabus 2024 (Grade 1 & Grade 3)

The RRB Technician Syllabus for both the Grade 1 & Grade 3 Posts are shared here. Applicants or aspirants can make use of the same to prepare effectively for the upcoming CBT.

CBT Syllabus for RRB Technician Grade 1 Post

Questions will be of objective type with multiple choice answers and are likely to cover topics pertaining to the following syllabus –

RRB Technician Syllabus on General Awareness

- Environment
- Indian Art and Culture
- Indian Literature & Important Books
- Monuments & Places of India
- General Science and Life Science
- Physical, Social and Economic Geography of India and the World
- Indian Polity & Governance
- Transport Systems of India
- Indian Economy
- Indian History (Ancient, Medieval, & Modern)
- Basics of Computers & Computer Applications
- Flora & Fauna of India
- Government & Public Sector Organizations of India
- Famous Historical Personalities
- Flagship Government Schemes
- Scientific and Technological Developments of India
- UN and Other important World Organizations
- Current Affairs

- Sports & Games

RRB Technician Syllabus on GI and Reasoning

Interested candidates can check the syllabus for General Intelligence & Reasoning in the table below:

Number Series	Coding-Decoding	Alphabet Series
Operations on Place Value	GK Based Classification	Letter and Meaningful Words
Letter Shifting	Coding Letters by words	Analogy
Family Tree Questions	General Blood Relation Problems	Calendar Based Questions
Time & Clock Hands	Ranking based Questions	Simple Problems on Directions
Formula Based Distance Questions	Arranging words in a meaningful order	Complete the Pattern
Classification	Figure Based Analogy	Cube-Based Questions
Missing Number based questions	Venn Diagram based questions	Puzzle based questions

Basics of Computers and Applications Syllabus

- 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 and Web Browsers.
- Computer Virus.

RRB Technician Syllabus on Mathematics

- 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.
 - Sets and their representations.
 - Empty set.
 - Finite and Infinite sets.
 - Equal sets.
 - Subsets.
 - Subsets of a set of real numbers.
 - Universal set
 - Venn diagrams
 - Union and Intersection of sets.
 - Difference of sets.
 - Complement of a set.
 - Properties of complement.
- Statistics
 - Measures of Dispersion
 - Range

- Mean deviation
- Variance and standard deviation of ungrouped / grouped data
- Probability occurrence of events.
- Exhaustive events.
- Mutually exclusive events.

Basic Science and Engineering Syllabus

- Units.
- Measurements.
- Mass.
- Weight.
- Density.
- Work.
- Power and Energy.
- Speed and Velocity.
- Heat and Temperature.
- 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.
- Parallel of a circuit.
- Specific Resistance
- Relation between Electric Potential.
- Energy.
- Power (Wattage).

- Ampere's Law.
- Magnetic Force on Moving Charged Particle and Long Straight Conductors.
- Electromagnetic Induction.
- Faraday's Law.
- Electromagnetic Flux.
- Magnetic Field.
- Magnetic Induction.
- 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
- Transducers.

CBT Syllabus for RRB Technician Grade 3 Post

Questions will be of objective type with multiple choice answers and are likely to cover topics pertaining to the following syllabus –

Mathematics Syllabus

- 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 and Clock.
- Pipes and Cistern etc.

RRB General Intelligence and Reasoning Syllabus

- 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.

- Classifications.
- Directions.
- Statements – Arguments and Assumptions, etc.

General Science Syllabus

- Physics, Chemistry and Life [Science](#) of 10th Standard level.

General Awareness Syllabus

The General Awareness for the RRB Technician Grade 3 CBT is similar as it was for Grade 1. Below are the topics that are covered in General Awareness section of Technician Grade 3 CBT .

- Environment
- Indian Art and Culture
- Indian Literature & Important Books
- Monuments & Places of India
- General Science and Life Science
- Current Affairs
- Sports & Games
- Physical, Social and Economic Geography of India and the World
- Indian Polity & Governance
- Transport Systems of India
- Indian Economy
- Indian History (Ancient, Medieval, & Modern)
- Basics of Computers & Computer Applications
- Flora & Fauna of India
- Government & Public Sector Organizations of India
- Famous Historical Personalities
- Flagship Government Schemes
- Scientific and Technological Developments of India
- UN and Other important World Organizations

The aspirants who are searching for the RRB Technician Recruitment 2024 Syllabus can follow the link below to download the same. Further, the aspirants can also take the hard copy of the same for a complete preparation.

[Download RRB Technician Gr 1 & 3 Syllabus PDF](#)

RRB Technician Preparation Tips

Candidates can check the preparation tips for the RRB Technician exam below:

- Read and understand the syllabus thoroughly.
- Study each subject every day. Divide the time of study for each subject.
- Practice previous year question papers
- Aspirants can also buy online mock test papers for effective preparation.
- Consistent study and revision of topics & sub topics is important.

You may check >> [RRB Technician Best Books for Preparation](#)

Thus, we hope the information on Railway Technician Recruitment 2024 Syllabus has been useful for the aspirants. So, the aspirants can now start the preparation with the official syllabus and score high mark in the CBT. Meanwhile make sure to bookmark rrbapply.com for the latest updates on Sarkari Naukri of State and Central Governments, PSUs, Banks and others.

Good Luck