RRB NTPC Syllabus & Exam Pattern

Tier I Exam Pattern

*The **Tier I** exam consists of four sections:*

1. *General Intelligence & Reasoning*
2. *Mathematics*
3. *General Awareness & Current Affairs*

- *Total Questions: **100***
- *Total Marks: **100***
- *Time Duration: **90 minutes (120 minutes for PwBD candidates)***
- *Negative Marking: **0.33 marks deducted for each incorrect answer***

Subject	No. of Questions	Marks
General Awareness	40	40
Mathematics	30	30
General Intelligence & Reasoning	30	30
Total	100	100

- *The exam is conducted in **multiple languages**.*
- *Qualifying the CBT leads to the **CBT 2**.*

CBT-2 Exam Pattern

- *Total Questions: **120***
- *Total Marks: **120***
- *Time Duration: **90 minutes (120 minutes for PwBD candidates)***
- *Negative Marking: **0.33 marks deducted for each incorrect answer***

Subject	No. of Questions	Marks
General Awareness	50	50
Mathematics	35	35
General Intelligence & Reasoning	35	35
Total	120	120

Mathematics

This section tests the candidate's numerical ability and problem-solving skills. The topics include:

Key Topics:

- **Number System** – Basics of numbers, classification, divisibility rules
- **Decimals & Fractions** – Operations, conversions, approximations
- **LCM & HCF** – Finding the Least Common Multiple & Highest Common Factor
- **Ratio and Proportion** – Simplification and applications
- **Percentage** – Calculations and real-life applications
- **Profit and Loss** – Discounts, successive discounts, mark price, and cost price
- **Simple and Compound Interest** – Banking-related problems, yearly/half-yearly calculations
- **Time and Work** – Work efficiency, wages, and labor problems
- **Time, Speed & Distance** – Trains, boats & streams, relative speed problems
- **Algebra** – Simplification, linear & quadratic equations
- **Geometry** – Basic concepts, angles, triangles, circles
- **Mensuration** – Area, volume, surface area of different shapes
- **Statistics & Probability** – Mean, median, mode, probability concepts
- **Data Interpretation** – Graphs, pie charts, bar charts, and tabular data

General Intelligence & Reasoning

This section assesses logical thinking and problem-solving ability. Important topics include:

Key Topics:

- *Analogies* – Number, letter, word-based relationships
- *Classification* – Odd one out, patterns, meaningful classification
- *Coding-Decoding* – Alphabet, number, and symbol-based coding
- *Series Completion* – Number series, alphabet series, missing series
- *Blood Relations* – Family tree problems
- *Seating Arrangements* – Linear and circular seating arrangements
- *Syllogism* – Logical deductions, conclusions based on statements
- *Direction Sense Test* – Distance and directions based puzzles
- *Logical Venn Diagrams* – Relationship-based diagrammatic questions
- *Statement & Assumptions* – Decision making, critical thinking
- *Puzzle Problems* – Floor-based puzzles, scheduling problems
- *Mathematical Operations* – BODMAS, number puzzles

- *Mirror & Water Images – Reflection and transformation-based questions*

General Awareness

This section covers current affairs, static GK, and general knowledge about India and the world. Topics include:

Key Topics:

- *Current Affairs (National & International) – Latest events, government schemes, awards, and honors*
- *Indian History – Ancient, Medieval, and Modern Indian history*
- *Indian Geography – Physical geography, states, rivers, mountains, national parks*
- *Indian Polity – Constitution, fundamental rights, parliament, judiciary*
- *Economy & Finance – Basic economic concepts, GDP, budget, banking sector*
- *Science & Technology – Physics, chemistry, biology, space, defense technologies*
- *Environmental Studies – Climate change, pollution, conservation efforts*
- *Sports & Awards – Olympic Games, World Cups, national and international sports events*
- *Books & Authors – Popular books and their writers*
- *Important Organizations – UNO, WHO, RBI, SEBI, IMF, and their functions*
- *Railway & Indian Economy – Railway zones, projects, headquarters, budget*

Typing Test

Typing Skill Test (TST) & Computer-Based Aptitude Test (CBAT)

*For certain posts like **Junior Clerk, Accounts Clerk, Typist, and Senior Clerk**, candidates must qualify for the **Typing Skill Test**.*

- *Candidates must type **30 words per minute (WPM) in English** or **25 WPM in Hindi**.*
- *The test will be conducted on a computer, and candidates must type the given passage within a specified time.*

*For **Traffic Assistant and Station Master**, the **CBAT (Aptitude Test)** is conducted, where candidates are tested on **decision-making, speed, accuracy, and logical reasoning**.*

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