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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.