

POLY NOTES HUB

Overview of RRB NTPC Exam

RRB NTPC (Non-Technical Popular Categories) is conducted by the Railway Recruitment Board to fill various Group B and Group C posts in the Indian Railways. The selection process consists of two Computer Based Tests (CBT 1 and CBT 2), followed by a Skill Test or Aptitude Test (for specific posts), Document Verification, and Medical Examination.

Posts Under RRB NTPC

Graduate Posts (7th CPC Level 5 & 6)	Undergraduate Posts (7th CPC Level 2 & 3)
Junior Account Assistant cum Typist	Junior Clerk cum Typist
Senior Commercial cum Ticket Clerk	Accounts Clerk cum Typist
Senior Time Keeper	Junior Time Keeper
Goods Guard	Trains Clerk
Station Master	Commercial cum Ticket Clerk
Senior Clerk cum Typist	Traffic Assistant

RRB NTPC Exam Pattern

CBT 1 – Preliminary Exam

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

★ Negative Marking: 1/3 mark deducted for each wrong answer.

CBT 2 – Main Exam

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

★ Negative Marking: 1/3 mark deducted for each wrong answer.

Detailed Syllabus – Mathematics

Mathematics section tests the candidate's numerical ability and accuracy. The syllabus is common for both CBT 1 and CBT 2, but CBT 2 has more questions and higher difficulty.

- Number System – Natural numbers, Integers, Rational and Irrational Numbers
- Decimals and Fractions
- LCM and HCF
- Ratio and Proportions
- Percentage
- Profit, Loss and Discount
- Simple Interest and Compound Interest
- Time and Work; Pipes and Cisterns
- Time, Speed and Distance
- Mensuration – Area, Volume and Surface Area (2D & 3D figures)
- Geometry – Lines, Angles, Triangles, Circles, Quadrilaterals
- Trigonometry – Basic Ratios, Heights and Distances
- Elementary Algebra – Polynomials, Linear and Quadratic Equations
- Elementary Statistics – Mean, Median, Mode, Data Interpretation
- Coordinate Geometry – Basics of Cartesian plane
- Mixtures and Alligation
- Averages
- Simplification and Approximation
- Boats and Streams
- Problems on Ages

Detailed Syllabus – General Intelligence & Reasoning

This section tests the candidate's ability to think logically, identify patterns, and solve problems systematically. It includes both verbal and non-verbal reasoning.

- Analogies – Word, Number and Alphabetical
- Completion of Number Series and Alphabetical Series
- Coding and Decoding
- Mathematical Operations
- Similarities and Differences
- Relationships and Blood Relations
- Analytical Reasoning
- Syllogism – Statements and Conclusions
- Jumbling and Rearrangement
- Venn Diagrams
- Puzzle – Seating Arrangement, Box Puzzle, Floor Puzzle
- Data Sufficiency
- Statement–Conclusion and Statement–Assumption

- Decision Making
- Maps and Spatial Reasoning
- Interpretation of Graphs and Charts
- Direction Sense
- Calendar and Clock Problems
- Mirror and Water Image
- Paper Folding and Cutting
- Figure Matrix and Embedded Figures
- Order and Ranking

Detailed Syllabus – General Awareness

General Awareness is the highest-weightage section in RRB NTPC. It covers a vast range of topics from current affairs, static GK, science, history, geography, polity and more.

Current Affairs & General Knowledge

- Current Events of National and International Importance
- Sports and Games – National and International
- Awards and Honours (National / International)
- Books and Authors
- Important Days and Dates
- Famous Personalities of India and the World
- Summits, Agreements and International Organizations
- Government Schemes and Flagship Programs

Indian History & Freedom Struggle

- Ancient, Medieval and Modern Indian History
- Freedom Struggle and Important Movements
- Governors General and Viceroys of India
- Important Battles and Treaties
- Post-Independence Events

Indian Polity & Governance

- Indian Constitution – Features, Preamble, Fundamental Rights and Duties
- Directive Principles of State Policy
- Parliament, President, Governor, Supreme Court and High Court
- Important Constitutional Amendments
- Local Self Government (Panchayati Raj)
- Election Commission, CAG, UPSC, Finance Commission

Geography

- Physical Geography of India and World
- Social and Economic Geography

- Climate and Seasons
- Major Rivers, Mountains, Deserts, and Plateaus
- Natural Resources, Agriculture and Industries
- Transport Systems in India – Rail, Road, Air, Waterways

General Science & Technology

- Physics – Laws of Motion, Optics, Electricity, Magnetism, Sound
- Chemistry – Periodic Table, Chemical Reactions, Acids & Bases, Metals
- Biology / Life Science – Cell, Human Body Systems, Diseases, Nutrition
- Space Technology – ISRO Missions, Satellites, Space Exploration
- Nuclear Technology – Basic Concepts and Indian Nuclear Programme
- Inventions and Discoveries
- Basics of Computers – Hardware, Software, Internet, MS Office

Indian Economy

- Five Year Plans and Economic Reforms
- Monetary and Fiscal Policy
- Union Budget – Concepts and Terminology
- Banking System – RBI, Types of Banks, Financial Institutions
- Important Economic Organizations (IMF, WTO, World Bank)

Art & Culture

- Art and Culture of India – Classical Dance, Music, Paintings
- Indian Literature – Languages, Poets, Nobel Laureates
- UNESCO World Heritage Sites in India
- Famous Monuments and Places of India
- Indian Festivals and Traditions
- Common Abbreviations used in India and Internationally

Skill Test / Aptitude Test (Stage 3)

After CBT 2, candidates for certain posts are required to appear for a Skill Test or Computer Based Aptitude Test (CBAT). This stage is qualifying in nature.

Typing Skill Test

- Applicable for: Junior Clerk cum Typist, Junior Account Assistant cum Typist, Senior Clerk cum Typist
- Speed Required: 30 words per minute in English OR 25 words per minute in Hindi
- Mode: Computer-based typing test
- Marks: Qualifying only (marks not added to merit list)

Computer Based Aptitude Test (CBAT)

- Applicable for: Station Master and Traffic Assistant posts
- Tests aptitude in areas like: speed, memory, attention, and spatial reasoning

- Minimum qualifying marks: 42 out of 100 in each of the test batteries
- Marks are used in preparation of final merit list

Preparation Tips from Poly Notes Hub

- Download the complete RRB NTPC Syllabus PDF from Poly Notes Hub and print it for daily reference.
- Cover CBT 1 syllabus first, then gradually shift focus to CBT 2 advanced topics.
- Practice at least 30 Mathematics questions daily using our short-tricks PDF.
- Revise General Awareness notes daily for a minimum of 30 minutes.
- Solve previous year question papers available for free at www.polynoteshub.co.in.
- Attempt full-length mock tests regularly to manage time in the actual exam.
- For reasoning, practice 1–2 puzzles every day to build speed and accuracy.
- Refer to both Hindi and English medium notes available at Poly Notes Hub.

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