

Detailed Explanation of Railway Group D Exam Syllabus

Railway Group D Exam Syllabus PDF FILE IN HINDI :

<https://pratidinrojgar.com/railway-group-d-syllabus-in-hindi-pdf/>

Mathematics

The Mathematics section is based on basic and practical mathematical concepts. Here's a detailed explanation of each topic:

1. **Number Systems**
 - Properties of integers, fractions, and decimals.
 - Basic operations like addition, subtraction, multiplication, and division.
 - Concept of number lines.
 2. **Decimals and Fractions**
 - Conversion between decimals and fractions.
 - Comparison, addition, and subtraction.
 3. **Percentages**
 - Applications of percentages: profit and loss, discount, and interest calculations.
 - Relation between ratios and percentages.
 4. **Ratio and Proportion**
 - Ratios of two or more numbers and their proportionality.
 - Problems on proportions.
 5. **Time and Work**
 - Efficiency-based work division and completion time.
 - Problems on combined work.
 6. **Simple and Compound Interest**
 - Calculation of interest based on principal, rate, and time.
 - Annual, semi-annual, and quarterly computations for compound interest.
 7. **Profit and Loss**
 - Calculation of cost price, selling price, profit, and loss.
 - Questions involving discounts and markups.
 8. **Geometry and Trigonometry**
 - Basic geometry concepts: lines, angles, and triangles.
 - Trigonometric ratios, heights, and distance problems.
 9. **Data Interpretation**
 - Reading and interpreting information from graphs, tables, and charts.
-

General Intelligence and Reasoning

This section focuses on logical thinking and problem-solving skills.

1. **Analogies**

- Identifying relationships between pairs of items.
 - Solving questions based on given patterns.
 - 2. **Coding and Decoding**
 - Converting words and sentences into codes and decoding them.
 - Questions based on letter and number coding.
 - 3. **Mathematical Operations**
 - Solving problems using basic mathematical symbols (addition, subtraction, multiplication, division).
 - 4. **Syllogism**
 - Identifying relationships and conclusions from statements.
 - Logical reasoning questions.
 - 5. **Venn Diagrams**
 - Diagrammatic representation of groups and their relationships.
 - 6. **Blood Relations**
 - Questions based on familial relationships.
 - 7. **Direction Sense Test**
 - Solving problems based on directions and distances.
 - 8. **Statement and Conclusions**
 - Drawing logical conclusions from given statements.
-

General Science

This section is based on fundamental principles of Physics, Chemistry, and Biology.

1. **Physics**
 - Concepts of motion, force, work, energy, and electricity.
 - Basics of light and sound.
 2. **Chemistry**
 - Study of elements, compounds, and mixtures.
 - Properties of acids, bases, and salts.
 - Chemical reactions.
 3. **Life Sciences**
 - Structure and function of plants and animals.
 - Human body systems.
 - Environment and ecology.
-

General Awareness and Current Affairs

This section is based on contemporary and historical events.

1. **Sports**
 - National and international sports events.

2. **Science and Technology**
 - Latest discoveries and technological advancements.
 3. **Indian Economy**
 - Economic policies, budgets, and schemes.
 4. **History, Culture, and Polity of India**
 - Key aspects of the freedom struggle, constitution, and cultural heritage.
 5. **Current Events**
 - National and international events of importance.
-

This detailed explanation will help you understand every topic of the Railway Group D syllabus thoroughly.