

# RPF Constable CBT Exam Syllabus

## RPF Constable Arithmetic Syllabus

Topics	Sub-Topics
Number Systems	Integers, Fractions, Decimals, and Simplification
Data Interpretation	Tables, Bar Graphs, Line Graphs, Pie Charts
Ratio and Proportion	Simple Ratios, Compound Ratios, and Proportions
Mensuration	Area and Perimeter of Plane Figures (Square, Rectangle, Circle, Triangle), Volume and Surface Area of 3D Figures (Cube, Cylinder, Cone, Sphere)
Speed, Time & Distance	Relative Speed, Average Speed, Problems on Trains and Boats
Time and Work	Work Efficiency, Work and Wages, Pipes and Cisterns
Algebra	Basic Algebraic Expressions, Simple Linear Equations
Simple Interest and Compound Interest	Basic Formulas and Concepts, Time, Rate, and Principal related problems
Averages	Calculation of Simple and Weighted Averages, Problems based on Average
Percentages	Calculation of Percentage, Increase/Decrease in Percentage, Applications of Percentage in various contexts
Relationships between	Whole numbers, Decimals, and Fractions numbers
Profit and Loss	Cost Price, Selling Price, Profit and Loss Calculations, Discount and Market Price
Fundamental Arithmetical Operations	Addition, Subtraction, Multiplication, and Division

## RPF Constable General Intelligence and Reasoning Syllabus

<b>Topics</b>	<b>Sub-Topics</b>
Analogies	Semantic Analogy, Symbolic/Number Analogy, Figural Analogy
Classification	Semantic Classification, Symbolic/Number Classification, Figural Classification
Series	Semantic Series, Number Series, Figural Series
Coding-Decoding	Coding and Decoding by Letter Shifting, Coding and Decoding in Fictitious Language, Coding and Decoding in Numbers/Symbols
Puzzles & Seating Arrangement	-
Blood Relations	-
Directions and Distances	-
Ranking and Order	-
Venn Diagrams	Simple and Compound Venn Diagrams
Syllogism	-
Mathematical Operations	Arithmetic Operations, Logical Operations
Number and Alphabetical Series	Logical Arrangement of Alphabets, Alphanumeric Series
Data Sufficiency	Analyzing whether given information is sufficient to answer the question
Decision Making	Analytical Decision Making
Statements and Conclusions	Deriving Conclusions from given Statements, Statements, and Inferences
Critical Reasoning	Identifying Strong and Weak Arguments, Courses of Action
Mirror and Water Images	Identifying the Image from the Given Options

Embedded Figures    Identifying the Embedded Figures

Paper Cutting and Folding    -

## **RPF Constable General Awareness Syllabus**

<b>Topics</b>	<b>Sub-Topics</b>
Current Affairs	National and International Events, Sports News, Awards and Honors, Appointments, Obituaries, Important Dates and Days
General Knowledge	Geography, History, Indian Polity, Economics, Static GK (Important Places, Monuments, National Parks, etc.)
Indian Railways	History of Indian Railways, Significant Achievements, Current Developments in Railways
Science & Technology	Physics, Chemistry, Biology, Inventions and Discoveries, Space and Astronomy, Environmental Science
Indian Constitution	Preamble, Fundamental Rights and Duties, Directive Principles of State Policy, Amendments
Economic and Social Development	Poverty and Unemployment, Economic Reforms, Social Issues
Books and Authors	Famous Books and their Authors
Art and Culture	Indian Art and Architecture, Dance Forms, Music Forms, Festivals
Sports	National and International Sports Events, Famous Personalities in Sports
Miscellaneous	Abbreviations, Important Government and Public Sector Organizations, International Organizations and their Headquarters, Important Days and Themes

**Syllabus for CBT:** Questions will be of objective type with multiple choice answers and are likely to cover topics pertaining to the following syllabus

**a. Arithmetic (35 marks):**

Questions on Number System, Whole Numbers, Decimal & Fractions and relationship between numbers, fundamental arithmetical operations, Percentages, Ratio & Proportion, Averages, Interest, Profit & Loss, Discount, Use of Tables & Graphs, Mensuration, Time & Distance, etc.

**b. General Intelligence and Reasoning (35 marks):**

Questions on Analogies, Similarities and Differences, Spatial Visualization, Spatial Orientation, Problem Solving Analysis, Judgement, Decision Making, Visual Memory, Discriminating observation, Relationship concepts, Arithmetical Reasoning, Verbal & Figure classification, Arithmetic number series, Non-verbal series, Coding and Decoding, Statement- Conclusion, Syllogistic reasoning, etc.

**c. General Awareness (50 marks):**

Questions will be aimed at testing the candidate's general awareness of the Environment around him/her and its application to society; to test knowledge of current Events and such matters of everyday observation and experience as may be expected of any educated person. The test will also include questions relating to Indian History, Art and Culture, Geography, Economics, General Polity, Indian Constitution, Sports, General Science, etc.