

RPF SI CBT Exam Syllabus

RPF SI General Awareness Syllabus

Current Affairs

Topics	Explanation
Domestic News	Information about events and developments within the country.
International News	Updates and stories from around the world that impact globally.
Political Updates	Changes and happenings in the political landscape of the nation.
Social Issues	Discussions on problems affecting society, like poverty or education.
Events and Developments in Society	Highlights of significant occurrences shaping our community life.

Indian History

Topics	Explanation
Ancient India	Insights into the early civilizations and cultures in India.
Medieval India	Period covering various kingdoms and empires in medieval times.
Modern India	Overview of India's history from the colonial era to present.

Art & Culture

Topics	Explanation
Visual Arts	Exploration of paintings, sculptures, and other visual arts.
Performing Arts	Discussions on theater, dance, and other live performances.

Literature & Poetry Appreciation and analysis of written works and poetry.

Music & Dance Exploration of musical compositions and dance forms.

Geography

Topics **Explanation**

Physical Geography Understanding landforms, climate, and natural features.

World Geography Exploring different countries, continents, and their features.

Environmental Issues Addressing challenges related to nature and ecological balance.

Economics

Topics **Explanation**

Macroeconomics Overview of the economy as a whole - GDP, inflation, etc.

Microeconomics Focus on individual economic agents like households.

Financial Markets Understanding stock markets, banking, and investments.

General Polity

Topics **Explanation**

Governance and Administration Understanding how governments function and are structured.

Political Institutions Study of political organizations and their roles.

Legal Framework Overview of laws and regulations governing a country.

Indian Constitution

Topics **Explanation**

Fundamental Rights Rights and freedoms guaranteed to citizens by the constitution.

Directive Principles of State Policy Principles guiding the state in governance and legislation.

Amendment Process Procedures for making changes to the constitution.

Sports

Topics	Explanation
Major Sporting Events	Coverage of significant sports competitions worldwide.
Athlete Achievements	Recognizing accomplishments of sports personalities.
Sports Organizations	Understanding bodies governing and organizing sports.

General Science

Topics	Explanation
Physics	Study of matter, energy, and their interactions.
Chemistry	Exploration of substances, their properties, and changes.
Biology	Understanding living organisms and their functions.

RPF SI Math Syllabus

Number Systems

Sub Topics	Explanation
Natural Numbers	Counting numbers like 1, 2, 3, and so on.
Whole Numbers	All natural numbers including zero.
Integers	Positive and negative whole numbers.
Rational Numbers	Fractions and decimals that can be expressed as ratios.
Irrational Numbers	Numbers that cannot be expressed as fractions.

Whole Numbers

Sub Topics	Explanation
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Basic Percentage Calculation Finding a percentage of a given number.

Percentage Increase and Decrease Calculating changes in percentage.

Ratio and Proportion

Sub Topics	Explanation
Questions on various concepts	Problem-solving involving ratios and proportions.

Averages

Sub Topics	Explanation
Mean (Arithmetic Average)	Calculating the average of a set of numbers.
Weighted Averages	Considering different weights for different values.
Median and Mode	Identifying the middle value and most frequent value in a dataset.

Interest

Sub Topics	Explanation
Simple Interest	Interest calculated on the original principal.
Compound Interest	Interest calculated on both principal and accumulated interest.

Profit and Loss and Discount

Sub Topics	Explanation
Cost Price, Selling Price, and Profit/Loss	Understanding pricing and profit margins.
Marked Price and Discount	Calculating discounted prices and savings.

Graphs

Sub Topics	Explanation
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Tabular Data Representation Presenting data in tables for easy understanding.

Graphical Data Representation Displaying data through charts, graphs, or diagrams.

Mensuration

Sub Topics **Explanation**

Volume and Surface Area of 3D Shapes Calculating space occupied and outer covering of shapes.

Time and Distance

Sub Topics **Explanation**

Speed, Time, and Distance Relations Understanding the relationship between speed, time, and distance.

Problems Involving Relative Speed Solving problems that involve the speed of multiple objects.

RPF SI General Intelligence And Reasoning Syllabus

Analogies

Subtopics **Explanation**

Word Analogies Recognizing relationships between words.

Number Analogies Understanding connections between numbers.

Spatial Visualization

Subtopics **Explanation**

Mental Imagery Creating mental pictures for understanding.

Rotational Figures Analyzing figures and objects in rotation.

Spatial Orientation

Subtopics**Explanation****Direction Sense**

Understanding and identifying directions.

Maps and Spatial Relationships

Interpreting maps and their spatial relations.

Problem-Solving Analysis**Subtopics****Explanation****Critical Thinking**

Evaluating information and making judgments.

Logical Analysis

Applying reasoning to solve complex problems.

Decision Making**Subtopics****Explanation****Rational Decision-Making**

Making decisions based on reason and logic.

Ethical Decision-Making

Making decisions considering ethical principles.

Visual Memory**Subtopics****Explanation****Memory Retention**

Remembering visual information over time.

Pattern

Identifying and recalling visual patterns.

Recognition**Similarities & Differences****Subtopics****Explanation****Identifying Commonalities**

Recognizing similarities between different items.

Contrasting

Noting differences or distinctions between items.

Characteristics**Discriminating Observation****Subtopics****Explanation**

Recognizing Patterns Identifying recurring arrangements or sequences.

Noting Variations Observing differences or changes in patterns.

Relationship Concepts

Subtopics	Explanation
Identifying Logical Connections	Recognizing logical associations between concepts.
Establishing Relationships	Forming connections or links between different ideas.

Arithmetical Reasoning

Subtopics	Explanation
Number-based Reasoning	Using numbers to reason and solve problems.
Mathematical Operations	Applying mathematical operations in reasoning tasks.

Classification of Verbal & Figure

Subtopics	Explanation
Categorizing Words and Objects	Sorting words and objects into specific categories.
Grouping Figures and Patterns	Organizing visual elements into meaningful groups.

Arithmetic Number Series

Subtopics	Explanation
Number Sequences and Patterns	Recognizing and understanding patterns in number series.
Finding the Missing Number	Identifying the missing number in a given number series.

Syllogistic Reasoning

Subtopics	Explanation
Syllogism Evaluation	Assessing logical reasoning using syllogisms.
Logical Conclusions	Drawing conclusions based on logical premises.

Non-Verbal Series

Subtopics	Explanation
Pattern Recognition (Non-Verbal)	Identifying and understanding visual patterns.
Completing Sequences	Completing visual sequences or patterns.

Coding & Decoding

Subtopics	Explanation
Coding and Decoding Patterns	Understanding and deciphering coded messages.
Message Deciphering	Decrypting hidden messages in a coded system.

Statement Conclusion

Subtopics	Explanation
Drawing Inferences	Making logical deductions based on statements.
Logical Deduction	Reasoning to reach logical conclusions.