



## RRB ALP Syllabus 2024 - Detailed Topic Analysis

The announcement of the **RRB ALP notification** by the Railway Recruitment Board on January 19, 2024, has stirred up quite a commotion. Many have been puzzled about the RRB ALP syllabus 2024, leading to confusion in the air. In response, Futurekul has taken the initiative to break down the **RRB ALP syllabus 2024** comprehensively. From detailing the topics to understanding their weightages and marking scheme, we've got you covered!

## RRB ALP Syllabus 2024 – A Comprehensive PDF

Understanding the RRB ALP Syllabus 2024 is crucial for success in the RRB ALP examination. It enables targeted preparation and efficient resource allocation, ultimately enhancing performance and confidence on exam day.

To cater to your needs, Futurekul has created a downloadable blog. This resource eliminates the need for frequent online searches and can be conveniently accessed whenever required. To download the blog, click on the "Download PDF" icon at the top of the page, enabling storage on devices like phones and laptops.

## Overview of the RRB ALP Syllabus 2024

Before going any further into the RRB ALP Syllabus 2024, it is crucial to have a basic overview of the same. The RRB ALP exam consists of two stages: CBT Stage 1 and CBT Stage 2. These two stages are followed by the CBAT (Computer Based Aptitude Test), the document verification and the medical examination.



[Source: Futurekul]

## RRB ALP Syllabus 2024 - Detailed Topic Analysis

The CBT Stage 1 comprises four subjects:

- Mental Ability
- General Awareness
- Mathematics
- General Science

Meanwhile, the CBT Stage 2 is further bifurcated into two parts:

- **Part A:**
  - General Intelligence and Reasoning
  - Mathematics
  - Basic Science and Engineering
- **Part B:**
  - Relevant Trades

So, let's now explore the RRB ALP Syllabus 2024 in detail in the upcoming segment.

## RRB ALP Syllabus 2024 - CBT Stage 1

The first stage of the selection process for RRB ALP 2024 is the CBT Stage 1. Moreover, CBT 1 serves solely as a screening exam to shortlist eligible candidates for CBT 2, based on their normalized marks and merit. The CBT Stage 1 is an online examination that consists of 75 multiple-choice questions of one mark each. The subjects and topics that are covered in the CBT Stage 1 are:

Mathematics	Mental Ability	General Science	General Awareness
<ul style="list-style-type: none"> <li>• Number System</li> <li>• BODMAS</li> <li>• Decimals</li> <li>• Fractions</li> <li>• LCM &amp; HCF</li> <li>• Ratio &amp; Proportion</li> <li>• Percentages</li> <li>• Mensuration</li> <li>• Time &amp; Work</li> <li>• Time &amp; Distance</li> <li>• Simple &amp; Compound Interest</li> <li>• Profit &amp; Loss</li> <li>• Algebra</li> <li>• Geometry and Trigonometry</li> <li>• Elementary Statistics</li> <li>• Squareroot</li> <li>• Age Calculations</li> <li>• Calendar &amp; Clock</li> <li>• Pipes &amp; Cistern etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Syllogism</li> <li>• Mathematical operations</li> <li>• Jumbling</li> <li>• Venn Diagram</li> <li>• Coding and Decoding</li> <li>• Conclusions and Decision-Making</li> <li>• Data Interpretation and Sufficiency</li> <li>• Analogies</li> <li>• Alphabetical and Number Series</li> <li>• Analytical reasoning</li> <li>• Relationships</li> <li>• Similarities and Differences</li> <li>• Arguments and Assumptions</li> <li>• Classification</li> <li>• Directions</li> <li>• Analytical Reasoning etc</li> </ul>	<ul style="list-style-type: none"> <li>• Biological Sciences</li> <li>• Physics</li> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Personalities</li> <li>• Sports and Culture</li> <li>• Science &amp; Technology</li> <li>• Economics</li> <li>• Indian Politics</li> <li>• Current Affairs</li> </ul>

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[Source: Futurekul]

Another aspect of being familiar with the RRB ALP Syllabus 2024 is to be aware of the weightages. Hence, let us take a look at all the topics-wise weightage of various subjects in CBT stage 1.

Mental Ability Topics	Weightage
Arrangement and Pattern	1-2
Distance and Direction	0-1
Blood Relation	0-1
Syllogism	1-2
Classification	1-3
Series	2-3
Analogy	1-2
Figure based	4-7
Matrix	0-1
Venn Diagram	1-3
Cubes and Dices	0-1
Mathematical reasoning	2-3
Data Sufficiency	1-2
Analytical Reasoning	2-4

It's notable that Figure-based questions hold greater significance compared to the other topics listed in the table.



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Mathematics Topics	Weightage
Simplification/Approximation	1-2
Average	0-1
Percentage	0-1
Profit and loss	1-2
Time and Work	2-3
Speed, Time and Distance	1-2
Interest	1-2
Ratio and Proportion	1-2
Geometry	0-1
Trigonometry	0-1
Mensuration	0-1
Algebra	0-1
Mixture and Alligation	0-1
Data Interpretation	1-2
Number System	0-1
Elementary Statistics	0-1

From the table above, it's evident that Time and Work comprise the highest number of questions in the Mathematics section of CBT Stage 1 of the RRB ALP exam.

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General Awareness Topics	Weightage
History	1-2
Geography	1-2
Polity	1-2
Science	19-20
Art an Culture	0-1
Current Affairs	2-3
Static GK	0-1

The table above clearly indicates that Science carries greater weight. However, to excel in this exam, it's crucial not to underestimate the importance of other topics. After being acquainted with the RRB ALP Syllabus 2024 for CBT Stage 1, let us proceed to look at the syllabus for CBT Stage 2.

## RRB ALP Syllabus 2024 - CBT Stage 2

The next stage of the selection process for RRB ALP 2024 is the CBT Stage 2. The CBT Stage 2 comprises two parts - Part A and Part B. Part A comprises three subjects:

- General Intelligence and Reasoning
- Mathematics
- Basic Science and Engineering

Whereas, Part B comprises topics related to Relevant Trade. These include:

- Electrical Engineering
- Electronics and Communication
- Mechanical Engineering
- Automobile Engineering

Now, let us take a look at all the topics under each of the subjects that come under CBT stage 2.

## RRB ALP Syllabus 2024 - Detailed Topic Analysis

Mathematics	General Intelligence & Reasoning	Basic Science & Engineering
<ul style="list-style-type: none"> <li>• LCM &amp; HCF</li> <li>• Number system</li> <li>• BODMAS</li> <li>• Decimals</li> <li>• Fractions</li> <li>• Square Root</li> <li>• Age Calculations</li> <li>• Mensuration</li> <li>• Time and Work</li> <li>• Time and Distance</li> <li>• Elementary Statistics</li> <li>• Pipes &amp; Cistern</li> <li>• Ratio and Proportion</li> <li>• Percentages</li> <li>• Simple and Compound Interest</li> <li>• Algebra</li> <li>• Geometry and Trigonometry</li> <li>• Calendar &amp; Clock</li> <li>• Profit and Loss</li> </ul>	<ul style="list-style-type: none"> <li>• Blood Relationship</li> <li>• Argument and Assumptions</li> <li>• Coding and Decoding</li> <li>• Mathematical Operations</li> <li>• Venn Diagram</li> <li>• Similarities and Differences</li> <li>• Syllogism</li> <li>• Jumbling</li> <li>• Analogies</li> <li>• Alphabetical and Number Series</li> <li>• Data Interpretation and Sufficiency</li> <li>• Conclusions and Decision-Making</li> <li>• Analytical Reasoning</li> <li>• Statement - Argument and Assumptions, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Speed and Velocity</li> <li>• Engineering Drawing (Projections, Views, Drawing Instruments, Lines, Geometric figures, Symbolic, Representation)</li> <li>• Basic Electricity</li> <li>• Work Power and Energy</li> <li>• Environment Education</li> <li>• Occupational Safety and Health</li> <li>• Heat and Temperature</li> <li>• Units</li> <li>• Measurements</li> <li>• Mass, Weight, and Density</li> <li>• Levers and Simple Machines,</li> <li>• IT Literacy, etc.</li> </ul>

[Source: Futurekul]

## General Intelligence and Reasoning

## RRB ALP Syllabus 2024 - Detailed Topic Analysis

- Blood Relationship
- Argument and Assumptions
- Coding and Decoding
- Mathematical Operations
- Venn Diagram
- Similarities and Differences
- Syllogism
- Jumbling
- Analogies
- Alphabetical and Number Series
- Data Interpretation and Sufficiency
- Conclusions and Decision-Making
- Analytical Reasoning
- Statement – Argument and Assumptions

## Mathematics

- LCM & HCF
- Number system
- BODMAS
- Decimals
- Fractions
- Square Root
- Age Calculations
- Mensuration
- Time and Work
- Time and Distance
- Elementary Statistics
- Pipes & Cistern
- Ratio and Proportion
- Percentages
- Simple and Compound Interest
- Algebra
- Geometry and Trigonometry
- Calendar & Clock
- Profit and Loss

## Basic Science and Engineering

## RRB ALP Syllabus 2024 - Detailed Topic Analysis

- Speed and Velocity
- Engineering Drawing (Projections, Views, Drawing Instruments, Lines, Geometric figures, Symbolic, Representation)
- Basic Electricity
- Work Power and Energy
- Environment Education
- Occupational Safety and Health
- Heat and Temperature
- Units
- Measurements
- Mass, Weight, and Density
- Levers and Simple Machines,
- IT Literacy

Now, let's guide you through the topics included in Part B of the RRB ALP CBT Stage 2 exam.

Electrical Engineering	Electronics & Communication	Mechanical Engineering	Automobile Engineering
<ul style="list-style-type: none"> <li>• Electrician</li> <li>• Instrument Mechanic</li> <li>• Wireman</li> <li>• Armature &amp; Coil Winder</li> <li>• Refrigeration and Air-conditioning Mechanic</li> </ul>	<ul style="list-style-type: none"> <li>• Electronics Mechanic,</li> <li>• Mechanic (Radio &amp; TV)</li> </ul>	<ul style="list-style-type: none"> <li>• Mechanic (Motor Vehicle)</li> <li>• Fitter</li> <li>• Tractor Mechanic</li> <li>• Mechanic (Diesel)</li> <li>• Heat Engine</li> <li>• Machinist</li> <li>• Refrigeration and Air Conditioning Mechanic</li> <li>• Turner</li> <li>• Millwright/ Maintenance Mechanic</li> </ul>	<ul style="list-style-type: none"> <li>• Mechanic (Motor Vehicle)</li> <li>• Tractor Mechanic</li> <li>• Mechanic (Diesel)</li> <li>• Heat Engine</li> <li>• Refrigeration and Air Conditioning Mechanic</li> </ul>

[Source: Futurekul]

## Electrical Engineering

- Electrician
- Instrument Mechanic
- Wireman
- Armature & Coil Winder
- Refrigeration and Air-conditioning Mechanic

## Electronics and Communication



- Electronics Mechanic, Mechanic (Radio & TV)

## Mechanical Engineering

- Mechanic (Motor Vehicle)
- Fitter
- Tractor Mechanic
- Mechanic (Diesel)
- Heat Engine
- Machinist
- Refrigeration and Air Conditioning Mechanic
- Turner
- Millwright/Maintenance Mechanic

## Automobile Engineering

- Mechanic (Motor Vehicle)
- Tractor Mechanic
- Mechanic (Diesel)
- Heat Engine
- Refrigeration and Air Conditioning Mechanic

Now that the RRB ALP Syllabus 2024 and the topic-wise has been discussed, the next crucial information is the Exam Pattern and the marking scheme for the same.

## RRB ALP 2024 - Exam Pattern and Marking Scheme

The next important aspect of the RRB ALP Syllabus 2024 is to understand the examination pattern and marking scheme. Here is a detailed overview of the RRB ALP 2024 exam pattern and marking scheme. The RRB ALP 2024 selection process comprises four stages:

- CBT Stage-1
- CBT Stage-2
- CBAT (Computer Based Aptitude Test)
- Document Verification and Medical Examination

## CBT Stage 1

## RRB ALP Syllabus 2024 - Detailed Topic Analysis

- The CBT Stage 1 comprises 75 multiple-choice questions carrying one mark each.
- The time limit to complete these 75 questions is 60 minutes.
- CBT Stage 1 covers subjects like Mathematics, Mental Ability, General Science and General Awareness.
- In case of any incorrect answer, there is a negative marking of 1/3 of the marks allotted to the question.

## CBT Stage 2

- CBT Stage 2 is further bifurcated into two parts: Part A and Part B.
- Part A comprises 100 questions.
- The time limit to complete these 100 questions is 90 minutes.
- On the other hand, Part B comprises 75 questions.
- The time limit to complete these 75 questions is 60 minutes.
- In case of any incorrect answer, there is a negative marking of 1/3 of the marks allotted to the question.

## RRB ALP 2024 - Tips to Prepare

As you prepare for the RRB ALP exam, you dedicate your maximum efforts. Here are some tips to help you prepare smoothly.

- **Understand the RRB ALP Syllabus 2024:** To prepare effectively, ensure a comprehensive grasp of the topics and sub-topics outlined in the RRB ALP syllabus.
- **Stay Healthy:** Ensure physical and mental well-being by eating a balanced diet, exercising regularly, and getting enough rest.
- **Use Reliable Resources:** Use reliable study materials, books, and online resources to improve your grasp of the syllabus.
- **Exam-Day Preparation:** Get all required documents and essentials ready for the exam day, and make sure to arrive at the exam centre on time.
- **Practice Regularly:** Regularly practice **mock tests** and past exam papers to enhance your speed and accuracy.
- **Seek Clarifications:** Promptly seek clarification from teachers, mentors, or online forums to avoid confusion and enhance understanding.
- **Revision is Key:** Consistently review the topics to enhance your comprehension and memory skills.
- **Create a Study Schedule:** Create a structured study schedule that allocates enough time for each subject and includes regular revision.
- **Time Management:** Enhance exam efficiency by practising time management skills during preparation and mock tests.
- **Stay Positive:** Lastly, stay positive about your preparation, stay motivated, and have confidence in your abilities.

## RRB ALP Exam Timeline 2024

## RRB ALP Syllabus 2024 - Detailed Topic Analysis

The important dates pertaining to the RRB ALP 2024 examination are presented in the table below:

Events	Dates
RRB ALP 2024 Notification Release	19th January 2024
Online application start date	20th January 2024
Last date of application end date	19th February 2024
Modification window for correction in application form	20th February to 29th February 2024
RRB ALP 2024 Exam Date	To be announced

For more information about the RRB ALP 2024 schedule, visit our blog on RRB ALP Exam Dates 2024 by clicking the provided link.

We hope this blog has been helpful, providing comprehensive information on the RRB ALP Syllabus 2024. For more details, visit our other blogs including [RRB ALP Notification 2024](#) at [Futurekul](#). Finally, seize this opportunity to demonstrate your excellence. Stay composed, remain focused, and let your commitment shine. Remember, this exam is a stepping stone to your success, and you have the ability to overcome it.