

RRB Assistant Loco Pilot Syllabus 2025

RRB will conduct CBT 1 & CBT 2 exams for ALP posts. Candidates who are planning for the RRB ALP Examination must check the subject-wise RRB ALP Syllabus and [previous year's question papers](#) to plan a better strategy for the upcoming examination. Let's have a look at the detailed syllabus of the written exam conducted.

RRB ALP CBT 1 Syllabus 2025

The RRB ALP Syllabus for the CBT 1 exam includes 4 subjects namely Mathematics, General Intelligence and Reasoning, General Science, and General Awareness. The standard of questions for the CBT 1 exam will generally conform with the educational standards and/or minimum technical qualifications prescribed for the post of Assistant Loco Pilot i.e. 10th standard. Questions will be of objective type with MCQs and are likely to cover topics about the following 4 Subjects:

1. Mathematics Syllabus

1. [Mensuration](#)

2. Number system,

3. BODMAS,

4. Decimals,
5. Fractions,
6. LCM and HCF,
7. [Ratio and Proportion](#),
8. Percentages,
9. Time and Work,
10. Time and Distance,
11. Simple and Compound Interest,
12. [Profit and Loss](#),
13. Algebra,
14. Geometry and Trigonometry,
15. Elementary Statistics,
16. [Square Root](#),
17. Age Calculations,
18. Calendar & Clock,
19. Pipes & Cistern etc.

2. Mental Ability (Reasoning) Syllabus

1. Analogies
2. Alphabetical and Number Series

3. Coding and Decoding

4. Mathematical operations,

5. Relationships,

6. Syllogism,

7. Jumbling,

8. Venn Diagram,

9. Data Interpretation and Sufficiency,

10. Conclusions and Decision Making,

11. Similarities and Differences,

12. Analytical reasoning,

13. Classification,

14. Directions,

15. Statement - Arguments and Assumptions etc.

3. General Science Syllabus

1. Physics

2. Chemistry

3. Life Sciences

Note: The General Science Syllabus covers Physics, Chemistry, and Life Sciences of the 10th standard level.

4. General Awareness Syllabus

1. [Current Affairs](#) - Latest Awards, Sports Events, Railway Updates, National Current Affairs
2. Science and Technology
3. Polity
4. Economy
5. Award & Honors
6. Art & Culture
7. Sports
8. Static GK
9. Personalities
10. Other subjects of importance

RRB ALP CBT 2 Syllabus 2025

RRB ALP CBT 2 syllabus is divided into 2 Parts: Part A and Part B. Part A is divided into 4 subjects: Mathematics, General Intelligence and Reasoning and Basic Science & Engineering. However, the Part B syllabus is to relevant the trade/subject.

RRB ALP CBT 2 Syllabus [Part A]

A) Mathematics Syllabus: Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.

B) General Intelligence and Reasoning: Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and decision making, Similarities and differences, Analytical reasoning, Classification, Directions, Statement-Arguments and Assumptions etc.

C) Basic Science and Engineering Syllabus: The broad topics that are covered under this shall be Engineering, Drawing (Projections, Views, Drawing Instruments, Lines, Geometric figures, Symbolic Representation), Units, Measurements, Mass Weight and Density, Work Power and Energy, Speed and Velocity, Heat and Temperature, Basic Electricity, Levers and Simple

Machines, Occupational Safety and Health, Environment Education, IT Literacy etc.

RRB ALP CBT 2 Syllabus for Relevant Trade [Part B]

Electrical Syllabus for RRB ALP CBT 2

1. Electrical India
2. Rolls, cables
3. Transfers
4. Three-Phase Motor Systems
5. Light, Magnetism
6. Fundamental Electric System
7. Single phase motors
8. Switches, Plugs and Electrical Connections

Mechanical Syllabus for RRB ALP CBT 2

1. Dimensions
2. Heat
3. Engines
4. Turbo Machinery
5. Production Engineering
6. Automation Engineering

7. Kinetic Theory
8. The Strength Of The Material
9. Metal Handling
10. Metallurgical
11. Refrigerators And Air Conditioned
12. Energy, Materials
13. Energy Conservation
14. Management
15. Applied Mechanics

Automobile Syllabus for RRB ALP CBT 2

1. Machine Design
2. System Theory
3. IC Engines
4. Heat Transfers
5. Thermodynamics
6. Materials Applying Motion
7. The Power Plant Turbines and Boilers
8. Metallurgical Production Technology

Electronics & Communication Syllabus for RRB ALP CBT 2

1. The Transistor
2. Dias
3. Digital Electronics
4. Networking and Industrial Electronics
5. Electronic Tube
6. Semi-Conductor Physics
7. Robotic Radio Communication Systems
8. Satellite Matters
9. [Computer](#) & Micro Processor

Note: RRB ALP CBT 2 Part-B is only a qualifying test in nature and shall have questions from the various trade syllabi as prescribed by the Directorate General of Training (DGT) which has been discussed above for Mechanical, Electrical, Electronics & Communication, Automobile, etc trades.