RRB ALP Syllabus 2025 (CEN 01/2025)

RRB ALP CEN 01/2025 · Railway Recruitment Boards (RRB) · Railway · All India · 2025

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Overview

Official syllabus and exam pattern for Assistant Loco Pilot recruitment under Centralised Employment Notice (CEN) No. 01/2025. Selection was through CBT-1 (screening), CBT-2, a Computer Based Aptitude Test (CBAT), document verification and a medical examination. Online applications opened on 12 April 2025.

Important information

Item	Details
Stages	CBT-1 -> CBT-2 -> CBAT -> Document Verification -> Medical Examination
Negative marking	1/3 mark per wrong answer in CBT-1 and CBT-2; none in CBAT
CBT-1	Screening only — marks are not counted in the final panel
Minimum pass marks (CBT-1, CBT-2 Part-A)	UR & EWS 40%, OBC (NCL) 30%, SC 30%, ST 25%
Shortlisting for CBT-2	15 times the vacancies, RRB-wise
CBT-2 Part-B	Trade test, qualifying only: 35% for all candidates
Shortlisting for CBAT	8 times the vacancies, on Part-A marks (provided Part-B is qualified)
CBAT	Minimum T-score of 42 in each test battery; English and Hindi only; no negative marking
Final merit weightage	CBT-2 Part-A 70% : CBAT 30%
Normalisation	Marks are normalised for CBTs held in multiple shifts

Exam pattern

Paper / Stage	Subjects	Questions	Marks	Duration
CBT-1 (screening)	Mathematics, Mental Ability, General Science, General Awareness	75	75	60 min
CBT-2 Part-A	Mathematics, General Intelligence and Reasoning, Basic Science and Engineering	100	—	90 min
CBT-2 Part-B (qualifying)	Relevant trade (DGT syllabus)	75	—	60 min
CBAT	Psycho-technical test batteries (RDSO)	—	—	—

Detailed syllabus

1. CBT-1: Mathematics

- 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

2. CBT-1: Mental Ability

- 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

3. CBT-1: General Science

- Physics
- Chemistry
- Life Sciences

10th standard level.

4. CBT-1: General Awareness

- Current affairs
- Science & technology
- Sports

- Culture
- Personalities
- Economics
- Politics
- Other subjects of importance

5. CBT-2 Part-A: Mathematics

- 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

6. CBT-2 Part-A: 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

7. CBT-2 Part-A: Basic Science and Engineering

- 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

8. CBT-2 Part-B: Trade test (qualifying)

- Electrical Engineering: Electrician, Instrument Mechanic, Wireman, Armature & Coil Winder, Refrigeration and Air-conditioning Mechanic
- Electronics Engineering: Electronics Mechanic, Mechanic (Radio & TV)
- Mechanical Engineering: Fitter, Mechanic (Motor Vehicle), Tractor Mechanic, Mechanic (Diesel), Turner, Machinist, Refrigeration and Air-conditioning Mechanic, Heat Engine, Millwright/Maintenance Mechanic
- Automobile Engineering: Mechanic (Motor Vehicle), Tractor Mechanic, Mechanic (Diesel), Heat Engine, Refrigeration and Air-conditioning Mechanic

Questions from trade syllabi prescribed by the Directorate General of Training (dgt.gov.in). ITI / Act Apprentice candidates answer questions from their own trade; degree and diploma holders choose one trade listed against their engineering discipline (above).

Official sources

Official syllabus: https://rrbsecunderabad.gov.in/wp-content/uploads/2025/04/Final_CEN_01-2025_ALP_English.pdf

Official website: https://rrbsecunderabad.gov.in

Online version: https://www.jobnirdesh.com/syllabus/rrb-alp-syllabus-2025

Always confirm the syllabus with the official notification of the conducting body before you prepare or apply.