

Railway ALP Technician CBT 2 (Stage 2 Exam)

Exam Pattern & Syllabus

Short listing of Candidates for the Second Stage CBT exam shall be based on the normalized marks obtained by them in the First Stage CBT Exam.

Total number of candidates to be shortlisted for second stage shall be **15 times** the community wise total vacancy of ALP and Technician Posts notified against the RRB as per their merit in First Stage CBT.

CBT 2 Exam will be conducted in two parts -

Part – A &

Part – B

Part – A:- Duration: 90 Min No of Questions: 100

Minimum percentage of marks for eligibility in various categories: UR - 40%, OBC-30%, SC-30%, ST -25%. This percentage of marks for eligibility may be relaxed by 2% for PWD candidates in case of shortage of PWD candidates against vacancies reserved for them.

The **syllabus** for Part-A shall be as below:-

- 1. Mathematics:** - Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Menstruation, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry

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and Trigonometry, Elementary Statistics, Square Root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.

- 2. 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.
- 3. Basic Science and Engineering:-** 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.
- 4. General Awareness on Current Affairs:-** Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance.

Part – B: - Duration: 60 Min No of Questions: 75 Qualifying Mark: 35 %

(This is applicable to all candidates and no relaxation is permissible)

This part is qualifying in nature and shall have questions from the trade syllabus prescribed by Director General of Employment & Training (DGET). Candidates with ITI/Trade Apprenticeship qualification will be required to appear in the Section having questions from the relevant trade. Candidates holding Degree, Diploma and HSC (10+2) having eligibility for the posts of ALP have to select relevant trade from the list of trades listed against their engineering discipline/HSC (10+2). The trade syllabus can be obtained from the DGET website. The relevant trades for various engineering

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Discipline/HSC (10+2) for appearing in the qualifying test is as below:

SI No.	Engineering Discipline(Diploma/Degree)	Relevant trade for PART B Qualifying Test to be selected from
1	Electrical Engineering and combination of various streams of Electrical Engineering	Electrician / Instrument Mechanic / Wiremen /Winder(Armature) / Refrigeration and Air Conditioning Mechanic
2	Electronics Engineering and combination of various streams of Electronics Engineering	Electronics Mechanic / Mechanic Radio & TV
3	Mechanical Engineering and combination of various streams of Mechanical Engineering	Fitter / Mechanic Motor Vehicle / Tractor Mechanic / Mechanic Diesel / Turner / Machinist / Refrigeration and Air Conditioning Mechanic/ Heat Engine / Millwright Maintenance Mechanic
4	Automobile Engineering and combination of various streams of Automobile Engineering	Mechanic Motor Vehicle / Tractor Mechanic / Mechanic Diesel / Heat Engine / Refrigeration and Air Conditioning Mechanic
5	HSC(10+2) with Physics and Maths	Electrician / Electronics Mechanic / Wireman