

# RESULT BHARAT

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## Railway Recruitment Board (RRB)

**RRB ALP/ Tech CBT 2<sup>nd</sup> Syllabus & Exam Pattern 2018 (English)**

### **Second Stage Computer Based Test (CBT):**

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.

### **Part- A**

Sl.No.	Subjects	No. Of Questions	Duration
1	Mathematics	100 Questions	90 min
2	General Intelligence and Reasoning		
3	Basic Science & Engineering		
4	General awareness on current affairs		

- Minimum percentage of marks for eligibility in various categories : UR -40%, OBC-30%, SC-30%, ST -25%.
- It will consist of multiple-choice objective type questions [bilingual (Hindi/English)]
- Negative Marking: For every wrong answer 1/3 marks will be deducted.

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

#### **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 etc.

#### **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.

**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.

**General Awareness on Current Affairs**

Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance.

**Part- B**

This part is qualifying in nature.

<b>Subjects</b>	<b>No. Of Questions</b>	<b>Duration</b>
Relevant Trade	75 questions	60 min

- 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).

**The syllabus for Part-B shall be as below**

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 relevant trades for various engineering discipline/HSC (10+2) for appearing in the qualifying test is as below:

<b>S. No.</b>	<b>Engineering Discipline(Diploma/Degree)</b>	<b>Relevant trade for PART B Qualifying Test to be selected from</b>
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/ <b>Maths (HSC) &amp; Physics (HSC)</b>

### **Computer Based Aptitude Test (Only for candidates who have opted for ALP)**

- The candidate needs to secure a minimum score of **42 marks** in each of the test batteries to qualify. This is applicable to all candidates and no relaxation is permissible.
- There shall be no negative marking in Computer Based AT.
- The Computer Based Aptitude Test shall have questions and answer options only in English and Hindi.
- The ALP **merit list** will be drawn only from amongst the candidates qualifying in the Aptitude Test, with 70% weightage for the marks obtained in the Part A of Second Stage CBT and 30% weightage for the marks obtained in Computer Based AT.
- Candidates equal to 8 times number of ALP vacancies for each of the communities i.e. UR, OBC-NCL, SC and ST (including ExSM) shall be short listed for Computer Based AT (based on their performance in Part A of the Second Stage CBT subject to their qualifying the Part B of Second Stage CBT).
- Such shortlisted candidates should produce the Vision Certificate in the prescribed format as per Annexure - VI in original during Computer Based AT, failing which they will not be permitted to appear in the Computer Based AT.

### **Document Verification and Empanelling of Candidates**

#### **For Technician posts:-**

Based on the performance of candidates in Part A of the Second Stage CBT subject to their qualifying the Part B of Second Stage CBT.

#### **For ALP:-**

Based on the performance of candidates in both Part A of the Second Stage CBT and Computer Based AT subject to their qualifying the Part B of Second Stage CBT.

### **Selection process:**

#### **For the post of ALP (Assistant Loco Pilot):-**

1. First stage (CBT)
2. Second Stage (CBT)
3. Computer Based Aptitude Test (AT).
4. Document Verification and Empanelling of Candidates

#### **For the post of Technician:**

1. First stage (CBT)
2. Second Stage (CBT)
3. Document Verification and Empanelling of Candidates

