

12.2 SECOND STAGE CBT (CBT-2):

- (a) Shortlisting of candidates for CBT-2 shall be done RRB-wise and community-wise as per their normalized marks and merit in CBT-1.
- (b) Total number of candidates to be shortlisted for CBT-2 shall be limited to 15 (fifteen) times the number of vacancies notified against each RRB.
- (c) However, Railways reserve the right to increase / decrease the above limit as required, to ensure availability of adequate number of candidates for the notified post.
- (d) The final panels for ALP will be prepared only on the basis of marks and merit of candidates in CBT-2 & CBAT.
- (e) **Pattern & Syllabus of CBT-2:**
 - (i) CBT-2 shall comprise of two parts viz., **Part-A** and **Part-B** as detailed below.
 - (ii) Total Duration: 2 hours and 30 minutes & Total Questions: 175
 - Part-A: 90 minutes & 100 questions
 - Part-B: 60 minutes & 75 questions
 - (iii) There shall be negative marking @1/3rd marks for each wrong answer.
 - (iv) Normalization of marks will be done for CBTs held in multiple shifts.
 - (v) **In Part -A**, Minimum pass percentage for eligibility: UR & EWS - 40%, OBC (NCL) - 30%, SC - 30%, ST - 25%.
 - (vi) **Only the marks scored in Part-A shall be counted for shortlisting of candidates for further stages of this recruitment process provided the candidate irrespective of community is able to secure qualifying marks (35%) in Part-B.**
 - (vii) **SYLLABUS for Part-A:**
 - (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 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:** 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.
- (viii) **SYLLABUS for Part-B:**
 - (A) Part-B is only a qualifying test in nature and shall have questions from the various trade syllabi as prescribed by Directorate General of Training (DGT).
 - (B) **Note:** Qualifying Percentage - 35% for **all candidates irrespective of category/community.**
 - (C) **Syllabus of Various Trades:** Please check the website ([https://dgt.gov.in.](https://dgt.gov.in)) of Directorate General of Training (GOI) for syllabi of different technical trades.
 - (D) Candidates with ITI/Trade Apprenticeship qualification will be required to appear in the section having questions from their trade.
 - (E) Degree, Diploma candidates have to select one trade from the list of trades listed below against their engineering discipline.

PART B (Qualifying Test) of CBT-2
QUALIFICATION-WISE GROUPING OF TRADES / SUBJECT

Sl.No.	Qualification of Candidate	Trade / Subject of Choice for Part-B
1	Electrical Engineering and combination of various streams of Electrical Engineering	Electrician, Instrument Mechanic, Wireman, Armature & Coil Winder, 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