



12.1 FIRST STAGE CBT (CBT-1):

- (a) CBT-1 will only be a screening exam for shortlisting eligible candidates for CBT-2 based on their normalized marks and merit). Screening will be based on their merit in CBT-1 among the candidates who have chosen the same RRB only.
- (b) The marks of CBT-1 shall not be counted while preparing the final panel.
- (c) **Pattern & Syllabus of CBT-1:**
 - (i) Duration: 60 minutes
 - (ii) Number of questions: 75, Maximum marks: 75 (@1 mark per question)
 - (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) Minimum pass percentage for eligibility: UR & EWS - 40%, OBC (NCL) - 30%, SC - 30%, ST - 25%. This is also applicable to Ex Service men category candidates, as per their community.
 - (vi) The standard of questions for CBT-1 will generally be in conformity with the educational standards and/or minimum technical qualifications prescribed for the post. Questions will be of objective type with multiple choice answers and are likely to cover topics pertaining to the following syllabus:
 - (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) **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 etc.
 - (C) **General Science:** The syllabus under this shall cover Physics, Chemistry and Life Sciences of 10th standard level.

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 among the candidates who have chosen the same RRB only.
- (b) Candidates belonging to SC/ST/OBC-NCL/EWS will be shortlisted for CBT-2 against UR category provided that, they are NOT availed any relaxation / concession in age, qualification or marks, etc.
- (c) Candidates who are shortlisted availing reservation benefits of a community / Category (Ex-servicemen/EWS) shall continue to be consider only against that community /category for all subsequent stages (CBT-2/CBAT/DV) of recruitment process
- (d) 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.
- (e) 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.
- (f) **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.
 - (vii) **In Part -A**, Minimum pass percentage for eligibility: UR & EWS - 40%, OBC (NCL) - 30%, SC - 30%, ST - 25%. This is also applicable to Ex Service men category candidates, as per their community.
 - (v) **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.**
- (g) **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.

(i) **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>) 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, Millwright/Maintenance Mechanic
4	Automobile Engineering and combination of various streams of Automobile Engineering	Mechanic (Motor Vehicle), Tractor Mechanic, Mechanic (Diesel), Refrigeration and Air-conditioning Mechanic

12.3 **Computer Based Aptitude Test (CBAT):**

- (a) Candidates equal to 8 (eight) times the number of ALP vacancies for each notified community / category viz., UR (includes OBC-CL), OBC(NCL), SC, ST and EWS (including ExSM), shall be shortlisted for CBAT **on the basis of their marks in Part-A** of CBT-2 among the candidates who have chosen the same RRB only with the application of reservation rules, provided they qualify in Part-B of CBT-2. In case more than one candidate obtain marks equal to cut-off point, they all will be shortlisted for CBAT
- (b) Such shortlisted candidates should produce their Self Screening Medical Declaration Report in the prescribed format (as per Annexure- VIII A & VIII B) in original, during the CBAT, failing which they will not be permitted to appear.
- (c) It is mandatory to **clear each test battery / section of CBAT separately**, to qualify.
- (d) The CBAT shall be only in English and Hindi and there shall be no negative marking.
- (e) For information on CBAT, candidates are advised to check the following website links of RDSO –
- (i) rdso.indianrailways.gov.in -> **Verticals** -> **Traffic and Psychology** -> **Psychology-Candidate's Corner**, and
- (ii) https://rdso.indianrailways.gov.in/view_section.jsp?lang=0&Gid=0,2,456,5821,611G.
- (f) **Qualifying Marks:** All candidates (irrespective of community) must secure a minimum T-score of 42 marks **in each test battery separately** to qualify in the CBAT.

12.4 **Document Verification (DV):**

- (a) The merit list shall be prepared RRB-wise only from amongst the candidates qualifying in the CBAT. The marks obtained in Part-A of CBT-2 and the scores obtained in the CBAT shall be given weightage in the ratio of 50:50. Based