



**RAILWAY RECRUITMENT CELL – WESTERN RAILWAY
WESTERN RAILWAY PARCEL DEPOT, ALIBHAI PREMJI MARG,
GRANT ROAD (EAST), MUMBAI – 400 007.**

WEBSITE : www.rrc-wr.com

**NOTICE REGARDING PATTERN & SYLLABUS OF
CBT OF ALP / TECHNICIAN Grade -III**

Sub : GDCE for the post of **ALP / TECHNICIAN GRADE- III**

Ref : - Notification no. 7 / 2019 GDCE dated 01-10-2019

All concerned employees who have applied against Notification no. 7/2019 are advised to note Pattern & Syllabus for CBT Notice.

At the time of Notification, details regarding pattern and syllabus of CBT were not notified. The matter was referred to Railway Board and as per the clarification received from the Board, details of pattern and syllabus of exam are decided as under :-

Pattern and Syllabus of CBT

1. Total Duration: 2 hours and 30 Minutes (for Part A and Part B together)

The CBT shall have two parts viz Part A and Part B as detailed below.

The question paper will be English / Hindi / Marathi /Gujarati. There shall be negative marking in the CBT and 1/3 of the allotted marks for each question shall be deducted for every wrong answer.

2. **PART A** Duration: 90 Mins, No of Questions: 100

i. Minimum percentage of marks for eligibility in various categories: UR -40%, OBC-30%, SC-30%, ST -25%. The marks scored in Part A alone shall be used for short listing of candidates for further stages of recruitment process subject to the condition that the candidate is securing qualifying mark in Part B.

ii. The syllabus for Part A shall be as below:

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.

d. General Awareness on Current Affairs in Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance.

3. PART B Duration: 60 Min, No of Questions: 75

- i. Qualifying Mark: 35 % will be applicable to all candidates and no relaxation is permissible.
- ii. This part is qualifying in nature and shall have questions from the trade syllabus prescribed by Director General of Employment & Training (DGET).
- iii. Candidates with ITI/Trade Apprenticeship qualification will be required to appear in the section having questions from the relevant trade.
- iv. Candidates holding Degree, Diploma and HSC (10+2) having eligibility for the posts of ALP/ Technician -III 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 discipline/HSC (10+2) for appearing in the qualifying test is as below:

Sr. 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

NOTE : Separate instructions will be issued for choosing TRADE group for CBT PART B.