

RRB COACHING

RRB JUNIOR ENGINEER RECRUITMENT PROCESS:

Only single online application {common to all the notified posts in opted RRB - Junior Engineer (JE), Junior Engineer (Information Technology) [JE(IT)], Depot Material Superintendant (DMS) and Chemical & Metallurgical Assistant (CMA)} has to be submitted by the candidate through the link provided on the official website of RRBs.

The entire recruitment process shall involve,

- 1st stage Computer Based Test (CBT),
- 2nd stage CBT
- Document Verification/Medical Examination as applicable.

1st Stage CBT

Duration : 90 minutes

No of Questions : 100

The *1st stage* CBT is of screening nature and the standard of questions for the CBT will be generally in conformity with the educational standards and/or minimum technical qualifications prescribed for the posts.

The normalized score of *1st stage* exam shall be used only for short listing of candidates for *2nd stage* exam as per their merit.

Tier-1 SECTION WISE MARKS

Subjects	No. of Questions	Marks for each Section	
Mathematics	30	30	Total Time 90 Minutes
General Intelligence & Reasoning	25	25	
General Awareness	15	15	
General Science	30	30	
Total	100	100	

a. Mathematics :

- Number systems.
- BODMAS.
- Decimals.
- Fractions
- LCM and HCF
- Ratio and Proportion,
- Percentages
- Mensuration
- Time and Work.
- Time and Distance.
- Simple Interest.
- Compound Interest.
- Profit and Loss.
- Algebra, Geometry.
- Trigonometry.
- Elementary Statistics.
- Square Root.
- Age Calculations.
- Calendar.
- Clock.
- Pipes & Cistern.

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. General Awareness :

- Knowledge of Current affairs,
- Indian geography,
- Culture and history of India including freedom struggle,
- Indian Polity and constitution,
- Indian Economy,
- Environmental issues concerning India and the World,
- Sports,
- General scientific and technological developments etc.

d. General Science : (up to 10th Standard CBSE syllabus).

- Physics,
- Chemistry
- Life Sciences

2nd Stage CBT:

Duration : 120 minutes

No of Questions : 150

- Short listing of Candidates for the 2nd Stage CBT exam shall be based on the normalized marks obtained by them in the 1st Stage CBT Exam.
- Total number of candidates to be shortlisted for 2nd Stage shall be 15 times the community wise total vacancy of Posts notified against the RRB as per their merit in 1st Stage CBT.

**RRB JE TIER-2 SECTION WISE MARKS**

Subjects	No. of Questions	Marks for Each Section	Time
General Awareness	15	15	120 Minutes
Physics & Chemistry	15	15	
Basics of Computers and Applications	10	10	
Basics of Environment and Pollution Control	10	10	
Technical Abilities	100	100	
Total	150	150	

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 PwBD candidates, in case of shortage of PwBD candidates against vacancies reserved for them.





RRB NTPC Exam Pattern:

RRB NTPC Exam will be conducted in two stages i.e RRB NTPC 1st stage CBT or Prelims and RRB NTPC 2nd Stage CBT or Mains Exam. Railway Recruitment board has not made much changes in Exam pattern & Syllabus for prelims and Mains.

RRB NTPC Prelims Exam Pattern:

RRB NTPC 1st stage CBT or Prelims exam will comprise of 4 sections i.e. Arithmetic Ability, Reasoning & General Intelligence, General Awareness and General Science comprising of total 100 questions of 1 mark each.

Section	No. of Questions	Max Marks
Arithmetic Ability	20	20
Reasoning & General Intelligence	25	25
General Awareness	30	30
General Science	25	25
Total	100	100

- RRB NTPC Prelims exam will comprise of 4 sections i.e Reasoning Ability & General Intelligence, Arithmetic Ability, General Awareness and General Science.
- A total of 100 question will be asked in the exam.
- Candidates will have a composite time of 90 minutes to solve all the sections.
- There will be negative marking of 0.25 for every wrong answer.
- We advise you to go through syllabus and preparation tips to score better in your RRB NTPC Prelims Exam.

**RRB NTPC MAINS Exam Pattern:**

RRB NTPC 2nd stage CBT or Mains exam will comprise of 4 sections i.e. Arithmetic Ability, Reasoning & General Intelligence, General Awareness and General Science comprising of total 100 questions of 1 mark each.

Section	No. of Questions	Max Marks
Arithmetic Ability	30	30
Reasoning & General Intelligence	30	30
General Awareness	30	30
General Science	30	30
Total	120	120

- RRB NTPC Mains exam will comprise of 4 sections i.e Reasoning Ability & General Intelligence, Arithmetic Ability, General Awareness and General Science.
- A total of 120 questions will be asked in exam divided equally.
- Candidates will have a composite time of 90 minutes to solve all the sections.
- There will be negative marking of 0.25 for every wrong answer.

We advise you to go through syllabus and preparation tips to score better in your RRB NTPC Mains Exam.



RRB LOCOPILOT RECRUITMENT PROCESS:

Only single online application (common to all the notified posts- ALP & Technicians) has to be submitted by the candidate through the link provided on the official website of RRBs. The entire recruitment process shall involve, First stage CBT, Second stage CBT, Computer Based Aptitude Test and Document Verification as applicable.

The date, time and venue for all the activities viz First stage CBT, Second stage CBT, Computer Based AT and DV or any other additional activity as applicable shall be fixed by the RRBs and shall be intimated to the eligible candidates in due course. Request for postponement of any of the above activity or for change of venue, date and shift will not be entertained under any circumstances.

First Stage CBT (Common for ALP/Technician)

Duration: 60 Min,

No of Questions: 75

Minimum percentage of marks for eligibility in various categories : UR -40%, OBC-30%, SC-30%, ST -25%. These 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 First Stage CBT is of screening nature and the standard of questions for the CBT will be generally in conformity with the educational standards and/or minimum technical qualifications prescribed for the posts. The score of first stage exam shall be used only for short listing of candidates for second stage exam as per their merit. Candidates who are shortlisted for Second Stage CBT availing the reservation benefits of a community shall continue to be considered only against that community for all subsequent stages of recruitment process.

The Questions will be of objective type with multiple choices and are likely to include questions pertaining to:

SYLLABUS CBT-1

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. General Science

The syllabus under this shall cover Physics, Chemistry and Life Sciences of 10th standard level.

d. General awareness on current affairs in Science & Technology, Sports, Culture, Personalities, Economics, Politics and other subjects of importance.

Second Stage CBT

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. However, Railways reserve the right to increase/decrease this limit in total or for any specific trade(s) as required to ensure availability of adequate candidates for all the notified posts.

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

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

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%. These

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 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.

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.

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

Sl 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