

NOTE: Candidates should note that in case a communication is received from their employer, by the RRB concerned, withholding permission to the candidates applying for/appearing in the examination, their application/candidature will be liable to be rejected /cancelled.

13.0 RECRUITMENT PROCESS:

- (a) Candidates should apply only through online mode through the official websites of any RRBs. Candidates can apply to only one RRB and only one common online application (in order of preference for any or all the notified posts). **The selection of RRB once exercised shall be final. Application to more than one RRB by a candidate will lead to rejection of all the applications.**
- (b) The recruitment process shall comprise of the following stages:
 - (i) 1st Stage Computer Based Test (CBT-I)
 - (ii) 2nd Stage Computer Based Test (CBT-II)
 - (iii) Document Verification (DV)
 - (iv) Medical Examination (ME)
- (c) Information on examination schedule and venues will be given to eligible candidates in due course through RRB websites, SMS and/or email.
- (d) Request for postponement of any of the stages or for change of venue, date and shift will not be entertained under any circumstances.

13.1 1st Stage CBT (Common for all notified posts of this CEN)

Duration : 90 minutes (120 Minutes for eligible PwBD candidates accompanied with Scribe)

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. **Candidates who are shortlisted for 2nd stage CBT availing the reservation benefits of a community, PwBD and ExSM 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:

a. Mathematics:

Number systems, BODMAS, Decimals, Fractions, LCM and HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work, Time and Distance, Simple and 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:

Physics, Chemistry and Life Sciences (up to 10th Standard CBSE syllabus). The section wise Number of questions and marks are as below:

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

- i. The section wise distribution given in the above table is only indicative and there may be some variations in the actual question papers.
- ii. **Minimum percentage of marks for eligibility in various categories:** UR -40%, EWS-40%, OBC-30%, SC-30%, ST -25%. These 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.

13.2 2nd Stage CBT:

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

Duration : 120 minutes (160 Minutes for eligible PwBD candidates accompanied with Scribe)

No of Questions : 150

Syllabus: The Questions will be of objective type with multiple choices and are likely to include questions pertaining to General Awareness, Physics and Chemistry, Basics of Computers and Applications, Basics of Environment and Pollution Control and Technical abilities for the post. The syllabus for General Awareness, Physics and Chemistry, Basics of Computers and Applications, Basics of Environment and Pollution Control is common for all notified posts under this CEN as detailed below:

a) **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.

b) **Physics and Chemistry:** Up to 10th standard CBSE syllabus.

c) **Basics of Computers and Applications:**

Architecture of Computers; input and Output devices; Storage devices, Networking, Operating System like Windows, Unix, Linux; MS Office; Various data representation; Internet and Email; Websites & Web Browsers; Computer Virus.

d) **Basics of Environment and Pollution Control:**

Basics of Environment; Adverse effect of environmental pollution and control strategies; Air, water and Noise pollution, their effect and control; Waste Management, Global warming; Acid rain; Ozone depletion.

e) **Technical Abilities:**

The educational qualifications mentioned against each post shown in Annexure-A, have been grouped into different exam groups as below. Questions on the Technical abilities will be framed in the syllabus defined for various Exam Groups given at Annexure-VII-A, B, C, D, E & F.

The section wise Number of questions and marks are as below:

Subjects	No. of Questions	Marks for each Section
	CBT-II	CBT-II
General Awareness	15	15
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
Time in Minutes	120	

- i. The section wise distribution given in the above table is only indicative and there may be some variations in the actual question papers.
- ii. **Minimum percentage of marks for eligibility in various categories:** UR-40%, EWS-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.
- iii. **Virtual calculator will be made available on the Computer Monitor during 2nd Stage CBT.**

13.3 Discipline Mapping Tables:

Table One

S. N.	Three years Diploma in Engineering or Bachelor's degree in Engineering/Technology	Exam Group
1	Mechanical Engineering	Mechanical and Allied Engineering
	Production Engineering	
	Automobile Engineering	
	Manufacturing Engineering	
	Mechatronics Engineering	
	Industrial Engineering	
	Machining Engineering	
	Tools and Machining Engineering	
	Tools and Die Making Engineering	
	Combination of any sub stream of basic streams of above disciplines	
2	Electrical Engineering	Electrical and Allied Engineering
	Combination of any sub stream of basic streams of Electrical Engineering	
3	Electronics Engineering	Electronics and Allied Engineering
	Instrumentation and Control Engineering	
	Communication Engineering	
	Computer Science and Engineering	
	Computer Engineering	
	Computer Science	
	Information Technology	
	Combination of sub streams of basic streams of above disciplines.	
4	Civil Engineering	Civil and Allied Engineering
	Combination of any sub stream of basic streams of Civil Engineering	
	B.Sc., in Civil Engineering of 3years duration	

Table Two

S. N.	Educational Qualifications	Exam Group
1	B.Sc., Chemistry and Physics	CMA

Table Three

S. N.	Educational Qualifications	Exam Group
1	Degree or its equivalent in Chemical Technology from a recognized University / Institution covering any one or more of the following fields: a) Petroleum Products, b) Paints and Corrosion Prevention c) Polymers. Knowledge of any computer language will be essential	Chemical and Metallurgical Supervisor
	Degree or its equivalent in Metallurgical Engineering from a recognized University / Institution. Knowledge of any computer language will be essential.	

Note:

- a) All the candidates with the above qualification shall be tested in the Exam Group mapped as per the above chart. A candidate possessing more than one minimum educational qualification, mapped to different Exam Groups, can choose any one Exam Group, provided he/she opts for the post(s) whose educational qualification is mapped to the chosen exam group. However, these candidates would be eligible for all the opted posts. Accordingly, "Chemical and Metallurgical Supervisor" Exam Group is mandatory for Level-7.