

- f) Candidates must ensure that the information furnished in respect of the scribe is accurate. If at any stage during or after the examination, it is found that a candidate has availed the facility of scribe and the scribe is found to be an impersonator and / or any information furnished by the scribe or the candidate is found to be false or incorrect, the candidate shall be held fully responsible, and his/her candidature shall be cancelled immediately.
- g) The candidate shall be responsible for any misconduct on the part of the scribe brought by him/her during the examination.
- h) During the examination, at any stage, if it is found that scribe is independently answering / solving the questions himself, the examination session for such candidate will be terminated, and candidate's candidature will be cancelled. The candidature of such candidates using the services of a scribe will also be cancelled if it is reported after the examination by the test administrator personnel that the scribe independently answered the questions.
- i) Change of Scribe at the Examination Centre:
 - Change of Scribe at the exam venue is generally not permitted. However, under exceptional circumstances the change may be allowed duly recording reasons. The new scribe should have registered with the RRBs as a scribe, and a copy of the One-Time Registration (OTR) printout must be submitted at the examination centre. Additionally, new scribe should meet all other criteria applicable to scribe as brought out under para 11.7.9. The candidates shall fill up details in "change of Scribe" form and 'letter of undertaking for using scribe' form.
 - If these requirements are not met, the RRB may assign a scribe at its discretion, provided the candidate still wishes to avail the scribe facility. The qualification of the scribe provided by RRB will not be more than the minimum qualification of the CEN. However, the qualification of the scribe would always be matriculate or above.

11.7.10. Candidates eligible to use the services of a scribe, as outlined in Paras 11.7.1, 11.7.2, and 11.7.3, may avail the facility of a scribe and/or compensatory time, if they so desire.

- a) A compensatory time of 20 minutes per hour of examination will be provided to candidates permitted to use a scribe, as specified in the above-mentioned paragraphs.
- b) Candidates referred to in Paras 11.7.1, 11.7.2, and 11.7.3, who are eligible for the use of a scribe but choose not to avail the facility, may also be granted compensatory time of 20 minutes per hour of examination, if they so desire.

11.7.11. Conditions regarding engagement of scribe shall be subject to various provisions/orders of the competent authority, as amended from time to time.

12.0. NO OBJECTION CERTIFICATE (NOC) FROM PRESENT EMPLOYER:

Candidates serving (including those undergoing induction training/probation) in any Central/State Government Department including Railways or Public Sector Undertakings, may apply directly to the RRBs duly informing their employer. Shortlisted candidates should produce an NOC from the employer on the date of DV, failing which their candidature will be cancelled. It is the sole responsibility of the candidate to submit the NOC from his/her current employer within the prescribed time limit during/at the time of Document verification/empanelment/appointment, failing which his/her candidature/empanelment/appointment will be rejected & cancelled.

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.
- (e) **NOTE-I:** - Candidates are not permitted to use calculators and other electronic gadgets. They should not, therefore, bring the same inside the Examination Premises. If any candidate is found to possess mobile phone, Bluetooth or any other means of wireless communication, in working or switched off mode, his/her candidature shall be cancelled forthwith and he/she will be debarred from RRB examinations besides legal action as deemed fit.
- (f) Candidates will have to download the city and date intimations, e-call letters and travel authority (wherever applicable) from the links provided on the official web-sites of RRBs. Candidates should read the instructions on the e-Call Letter carefully and follow them scrupulously. Failure to comply with the instructions may lead to cancellation of their candidature.
- (g) Mock/Practice tests will also be made available on RRBs official website to the candidates to acquire familiarity with the online examination process.

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

Duration : 90 minutes (120 Minutes for candidates who are eligible for use of a 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. There shall be negative marking in CBT (Computer Based Test/Examination) and marks shall be deducted for each wrong answer @ 1/3 of the marks allotted for each question.
- iii. **Minimum percentage of marks for eligibility in various categories:** UR -40%, EWS-40%, OBC(NCL)-30%, SC-30%, ST -25%. This is also applicable to Ex-servicemen candidates, as per their community. These percentage of marks for eligibility may be relaxed by 2 marks 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 candidates who are eligible for use of a 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.

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. There shall be negative marking in CBT (Computer Based Test/Examination) and marks shall be

deducted for each wrong answer @ 1/3 of the marks allotted for each question.

- iii. **Minimum percentage of marks for eligibility in various categories:** UR-40%, EWS-40%, OBC(NCL)-30%, SC-30%, ST-25%. This is also applicable to Ex-servicemen candidates, as per their community. This percentage of marks for eligibility may be relaxed by 2 marks for PwBD candidates, in case of shortage of PwBD candidates against vacancies reserved for them.
- iv. **Virtual calculator will be made available on the Computer Monitor during 2nd Stage CBT.**

13.3 Discipline Mapping Table 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

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 as per educational qualification.
- b) The educational qualification for the post of DMS (Depot Material Superintendent) is Three Years Diploma in Engineering i.e., a candidate with Three Years Diploma in any of Engineering disciplines, can apply for these posts as applicable. Candidates with educational qualifications not figuring in the above chart and eligible for DMS posts have to choose any one of the above listed Exam Groups other than CMA Exam Group, during the

registration for online applications of this CEN.

13.4 SHORTLISTING OF CANDIDATES FOR 2nd STAGE CBT, DV AND EMPANELMENT:

Short listing of Candidates for the DV shall be based on the normalized marks obtained by them in 2nd Stage CBT. The normalization scheme to be adopted for short listing the candidates from 1st Stage CBT to 2nd Stage CBT and for DV on the basis of performance in 2nd Stage CBT is detailed below:

13.4.1 NORMALISATION OF MARKS:

- Whenever CBT is conducted in multiple sessions for the same syllabus, the raw marks obtained by the candidates in different sessions will be converted to normalized marks.
- The raw marks for a **single session CBT** and normalized marks for **multi-session CBTs** will be used for computing **Merit Index**, which is a common benchmark for generating merit for candidates from different Exam Groups.

13.4.2 CALCULATION OF MERIT INDEX FOR ALL PAPERS:

- In order to generate a common merit list of comprising of candidates who are from different Exam Groups, but are eligible for a common post, a **Merit Index** will be computed.
- For all papers for which there is only one CBT session, the **actual marks** obtained by the candidates will be used for calculating the Merit Index, while for papers in multiple sessions, **normalized marks** will be calculated corresponding to the raw marks obtained by a candidate. Accordingly, the Merit Index will be prepared based on these normalized marks.

The Merit Index will be computed using the formula given below:

$$\text{Merit Index} = S_q + (S_t - S_q) \frac{M - M_q}{\overline{M}_t - M_q}$$

(Merit Index is the relative score of a candidate within the discipline.)

M: Marks obtained by the candidate (actual/raw marks for single session exam and normalized marks for multi session exam).

M_q: The qualifying marks for general category candidate in the paper (40).

$\overline{M}_t$: The mean marks of top 0.1% or top 10 whichever is larger of the candidates who appeared in the paper (in case of multi session exam including all sessions)

S_q: 350 is the score assigned to M_q.

S_t: 900 is the score assigned to $\overline{M}_t$.

The qualifying marks (M_q) for general category candidate is 40.

The Merit Index will be calculated for UR, EWS, OBC(NCL), SC and ST candidates whose actual marks for single session exam and normalized marks for multi-session exam are equal or above the community qualifying marks prescribed in Para 13.2. Based on the Merit Index generated, a combined merit list of the candidates of different disciplines/Exam Groups will be prepared in the descending order of merit and the allotment of the preference will be done on the basis of this merit list.

13.4.3 DOCUMENT VERIFICATION (DV):

- Candidates will be shortlisted for Document Verification based on their marks and merit in the 2nd stage CBT and options. The number of shortlisted candidates will be **equal to the number of vacancies**.
- In case two or more candidates secure equal marks, their merit position shall be determined by age criteria i.e., the older candidate shall be given higher merit than the younger candidate and in case age being same, then alphabetical order (A to Z) of the name (Given name, not surname) shall be taken into account to break the tie.
- During document verification, candidates will have to produce their original certificates. No additional time will be given and the candidature of the candidates not producing their original certificates on the date of verification is liable to be forfeited.
- Empanelment of candidates will be based on merit and subject to successful completion of document verification and passing prescribed medical examination.