

# RRB – Junior Engineering

## 4 Stages of Examination:

### Stage I – CBT I ( Computer Based Examination)

Mode	Subject	No of Questions	Maximum Marks	Duration	PwBD Duration
Objective Type Multiple Choice	Mathematics	30	30	90 Minutes	120 Minutes
	General Intelligence & Reasoning	25	25		
	General Awareness	15	15		
	General Science	30	30		
	Total		100		

### Stage II - CBT II( Computer Based Examination)

CBT II					
Mode	Subject	No of Questions	Maximum Marks	Duration	PwBD Duration
Objective Type Multiple Choice	General Awareness	15	15	120 Minutes	160 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		

### Stage III – DV (Document Verification):

# Syllabus

## CBT I

- **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.

# Syllabus

## CBT II

- **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 ability 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.