

**RRB JE Syllabus:** For the last one month, our brothers (Candidates) was seeking information about Junior Engineer's syllabus and pattern of examination, but, I was unable to share due to some personal problem. Today this article is for those people who are preparing for the RRB Junior Engineer (JE) exam. Through this article, I will share syllabus, Exam Pattern, Previous Year question paper and recommended [books](#). If you are preparing for [Railway Junior Engineer Jobs exam 2018](#) then must read entire article and prepare according to syllabus.

## RRB Junior Engineer Exam 2018:

Before proceeding, I want to tell you about the Upcoming Junior Engineer Jobs 2018. After 2015 Railway Recruitment Board has not issued any recruitment advertisement for junior engineer, due to which many posts have become vacant in the Railways. To fill these vacant posts, the Railway Recruitment Board is going to announce the advertisement soon. I am sharing the details of recruitment in short below.

<b>Organisation</b>	<b>Indian Railway</b>
<b>Recruiting Body</b>	<b>Railway Recruitment Board</b>
<b>Name of Post</b>	<b>Junior Engineer</b>
<b>No. of Position</b>	<b>5620 [Expected]</b>
<b>Qualification</b>	<b>Diploma in Engineering</b>
<b>Age Limit</b>	<b>18-32 Years</b>
<b>Mode of Selection</b>	<b>Online CBT</b>

[Read](#)

### RRB JE Exam Pattern:

Friends, to prepare for any exam, you must know the format of that examination. From this, the syllabus and subject matter of the examination is known, making it easier to prepare the examination thoroughly. If you are also preparing for the

Railway Examination, do not forget to take care of it. So let's know the RRB JE exam pattern.

As we know, the Railway Board will conduct examination online only and that exam will be called CBT (Computer based Test). The questions which will be asked in the examination will be of Objective Type and the language of question paper will be Hindi, English, Urdu and local Language of region. The standard of question paper for the Computer Based Test (CBT or Online Test) will be generally in conformity with the educational standard and / or minimum technical qualification prescribed for the posts. Following are the Pattern of Exam:

Subjects	Ques.	Marks	Time
Technical Ability and General Science	90	90	120 Sponsored Links min
Arithmetic	60	60	
General Intelligence			
Reasoning			
General Awareness			

### RRB JE Syllabus:

Friends, Syllabus is an important part of the preparation. You will not be able to prepare any exam correctly without going to the syllabus. It lets you know which topic to read and which topic will benefit more than reading. Therefore, before preparing for the exam, you must know the syllabus. Below, I have shared **RRB JE Syllabus**, please read it carefully and start your preparation according to syllabus.

Technical Ability:

Arithmetic:	
Factors & Simplification	Installments
Simple & Compound Interest	Taxation
Ratio & Proportion	Shares & Dividends

Percentage	Pipes & Cisterns
Time	Mensuration
Distance & Work	Problem On Ages
Profit & Loss	Investment
Basic Algebra	DI & Use of Table And Graphs
Polynomials	Histogram
Frequency Polygon	Bar-Diagram
Pie-Chart	Pictorial Graph
<b>General Awareness</b>	<b>General Science</b>
Indian History & Indian Politics	Basic Concept of Science
Current Events & Geography	Daily use science
Events & Sports	Physics
Railway News	Chemistry
Rail Budget	Biology
New Technology in Railway	Technology

<b>General Intelligence &amp; Reasoning</b>	
Similarities And Differences	Spatial Orientation
Problem Solving	Analysis
Judgment	Decision Making
Visual Memory	Discrimination
Observation	Relationship Concepts
Arithmetic Reasoning	Verbal And Figure Classification
Arithmetical Number Series	Non-Verbal Series
Statement Conclusion	Coding And Decoding

**RRB Junior Engineer Technical Ability Syllabus:**

<b>Civil Engineering</b>	<b>Mechanical Engineering</b>
Structural Analysis	Engineering Mechanics
Concrete Structures	Strength Of Materials

Steel Structures, Soil Mechanics	Theory Of Machines
Building Materials, Estimating	Design For Static And Dynamic Loading
Fluid Mechanics And Hydraulics	Fluid Mechanics
Hydrology, Bridge Construction	Heat Transfer
Costing And Valuation	Thermodynamics
Water Requirements	Power Engineering
Highway Planning	Steam Tables
Traffic Engineering	Rankine
Importance Of Surveying, Errors And Adjustments, Plane Table Surveying	Brayton Cycles With Regeneration And Reheat
Principles And Classifications	I.C. Engines: Air-Standard Otto
Mapping Concepts	Diesel Cycles
Coordinate System	Metal Casting
Map Projections, Theodolite Traversing, Leveling, Curves,	Machining And Machine Tool Operations
Measurements Of Distance And Directions, Environmental Engineering	Metrology And Inspection

<b>Electrical Engineering</b>	<b>Computer Engineering / (IT)</b>
Basics Of Circuits And Measurement Systems	MS Office
Electric Circuits And Fields, Power Electronics And Drives, Signals And Systems	Computer fundamentals & organization: C , C++ & Java language
Electrical And Electronic Measurements	Information systems: DBMS
Electrical Machines,	System programming
Power Systems, Control Systems	Operating systems UNIX; SAD; Data & Network communication
Analog And Digital Electronics	Web technology & programming; Software Engineering
In Electrical Engineering Key Subject For RRB Exam Is Electrical Machines	Computer Networks
Basics Of Circuit & Power Electronics.	Databases, Algorithms

<b>Instrumentation &amp; Measurement:</b>	<b>Printing Press:</b>
Basics of Circuits and Measurement Systems	Mathematics & Science including Physics
Transducers	Chemistry, Basic concepts of Computers
Mechanical Measurement and Industrial Instrumentation	Environment & Pollution Control of class X standard,

Analog Electronics	Printing techniques
Digital Electronics	Printing materials,
Signal Systems	Paper & Ink technology
Measurement System	Digital technology & Imaging
Process Control	Control Application in Printing
Control Systems & Instrumentation	Printing surface preparation
Focus will be more on Transducers	Offset Printing, Newspaper printing
Measurement & Control Systems	Color science, Flexo & Gravure

**RRB JE Previous Year Question Papers:**