

RRB Senior Section Engineer/JE Syllabus 2018.

RRB SSE Exam Pattern 2018

SL. NO	Examination Type	Topics	No. of Questions	Marks	Duration
1.	Objective Type	General Intelligence and Reasoning	60	60	2 Hours
2.		General Awareness			
3.		Arithmetic			
4.		Technical Subjects			
Total			150	150	

- RRB SSE Exam 2018 will be conducted for 200 marks with 200 Questions.
- It is an Objective Type Exam.
- Duration of the RRB Senior Section Engineer is 2 Hours.
- 1/3 negative marking deducted for wrong answers.

RRB SSE General Ability Syllabus

General Intelligence and Reasoning Syllabus

- ➔ Number Series, Input-Output, syllogism, Coding-decoding.
- ➔ Similarities and differences, space visualization /orientation, analogy.
- ➔ Word Building, Clock, Seating arrangement, Calendar.
- ➔ Coding & Decoding, Arithmetic number series, non-verbal series, Statement conclusion.
- ➔ Decision making, Direction sense test, visual memory, Blood relations, figural classification and arithmetical reasoning.

RRB Syllabus 2018 – Arithmetic

- ➔ Algebra.
- ➔ Interests.
- ➔ Ratio & Proportion.
- ➔ percentage
- ➔ Time and distance /work.
- ➔ Profit & loss.
- ➔ Pipes & Cisterns.
- ➔ Mensuration.
- ➔ Age problems.
- ➔ Data Interpretation.

Railway Recruitment Board Exam Syllabus 2018 – General Awareness

- ➔ General Awareness on Railway.
- ➔ Rail Budget.
- ➔ New Technologies & Reform in Indian Railway.
- ➔ Indian – History, Geography, Polity, Economy Current Affairs, Sports, etc.

RRB Section Engineer Technical Syllabus 2018 – Electrical Engineering

- ➔ Electrical Machines.
- ➔ Basics of Circuit & Power Electronics.
- ➔ Electrical and Electronic Measurements.
- ➔ Analog & Digital Electronics.
- ➔ Circuits & Measurement Systems.
- ➔ Signals & Systems.
- ➔ Electrical Machines.
- ➔ Power & Control Systems etc.

RRB SSE 2018 Syllabus – Electronics Engineering

- ➔ Electronic Devices.
- ➔ Energy bands.
- ➔ Signal & Systems.
- ➔ Wireless Communication.
- ➔ Carrier transport in silicon: diffusion current, drift current, mobility, and resistivity.
- ➔ Generation and recombination of carriers.
- ➔ Junctions.
- ➔ Diodes.
- ➔ Tunnel.
- ➔ Analog and Digital Circuits.
- ➔ Communication.
- ➔ EMFT.
- ➔ Basics of Signal & Systems.
- ➔ Control System.

RRB Computers Engineering Syllabus

- ➔ Computer Fundamentals.
- ➔ MS Office.
- ➔ Languages.
- ➔ Information systems.
- ➔ DBMS.
- ➔ Operating systems.
- ➔ Software Engineering
- ➔ Computer Networks.
- ➔ Database.
- ➔ Algorithms.
- ➔ Network communication.
- ➔ System programming.
- ➔ Web technology & programming.

2018 SSE RRB Syllabus – IT

- ➔ MS Office.
- ➔ Computer fundamentals & organization.
- ➔ C , C++ & Java language.
- ➔ Information systems.
- ➔ DBMS
- ➔ System programming.
- ➔ Operating systems.
- ➔ UNIX.
- ➔ SAD

- ➔ Data & Network communication.
- ➔ Web technology & programming.
- ➔ Software Engineering.
- ➔ Environment & Pollution Control.

Railway Sr Engineer Syllabus – Instrumentation & Measurement Engineering

- ➔ Basics of Measurement Systems.
- ➔ Transducers.
- ➔ Circuits.
- ➔ Mechanical Measurement.
- ➔ Industrial Instrumentation.
- ➔ Analog /Digital Electronics.
- ➔ Process Instrumentation.

RRB Civil Engineering Syllabus

- ➔ General Civil Engineering.
- ➔ Construction /Structure Engineering and drawing.
- ➔ Estimating.
- ➔ Costing.
- ➔ Valuation.
- ➔ Building Materials.
- ➔ Mechanics.
- ➔ Soil Mechanics.
- ➔ Structural Analysis.
- ➔ Concrete Structures.
- ➔ Steel Structures.
- ➔ Hydraulics.
- ➔ Hydrology.
- ➔ Construction.
- ➔ Water requirements.
- ➔ Highway Planning.
- ➔ Traffic Engineering.
- ➔ Surveying.
- ➔ Coordinate system.
- ➔ Projections.
- ➔ Errors and adjustments.
- ➔ curves.
- ➔ Environmental Engineering
- ➔ Measurements of distance and directions.

indianrailways.gov.in Mechanical Engineering Syllabus

- ➔ The Strength of Materials.
- ➔ Theory of Machines.
- ➔ Kinematics of Machine.
- ➔ Engineering Mechanics.
- ➔ Fluid Mechanics.
- ➔ Heat Transfer.
- ➔ Thermodynamics.
- ➔ Power Engineering.
- ➔ Steam Tables.
- ➔ Thermodynamics cycles.
- ➔ I.C. Engines cycles.
- ➔ Casting.
- ➔ Machining and Machine Tool Operations.
- ➔ Metrology and Inspection.