

View RRB SSE Exam Pattern For Exam

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	90	90	
Total			150	150	

RRB SSE Syllabus Topics Wise

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

Computer Engineering

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

IT

- SAD
- Data & Network communication.
- Web technology & programming.
- Software Engineering.
- Environment & Pollution Control.
- MS Office.
- Computer fundamentals & organization.
- C , C++ & Java language.
- Information systems.
- DBMS
- System programming.
- Operating systems.
- UNIX.

Instrumentation & Measurement Engineering

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

Civil Engineering

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

Mechanical Engineering Syllabus

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

- Kinematics of Machine.
- Engineering Mechanics.

Chemical Metallurgical

- Instrumentation & Measurement.
- Environment & Pollution Control.
- Basic concepts of Fuel.
- Material Science.
- Polymers.
- Thermodynamics.
- Applied Chemistry.
- Computers.

Ability Syllabus

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

Arithmetic

- Pipes & Cisterns.
- Mensuration.
- Age problems.
- Data Interpretation.
- Algebra.
- Interests.

- Ratio & Proportion.
- percentage
- Time and distance /work.
- Profit & loss.

General Awareness

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

Electrical Engineering

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