

Syllabus for S&T Discipline
(Diploma Level)

1. Basic Electronics & Communication

- Basic Electronics
- Communication Engineering
- Networking
- Digital Electronic

2. Railway signalling

- Types of Signals
- Interlocking
- Gate Signals
- Block Instrument
- Track Circuit
- Point Machine
- Warning Board
- Overlap

3. Railway Telecommunication

- Quad Cable
- OFC Cable
- Magneto phone
- VHF Communication (Walkie - Talkie sets)
- Control Communication
- Emergency Socket
- Microwave Communication
- GSM for Railways

Syllabus shall be limited to a terminology on above subjects with brief knowledge about it (like concept, technology, definition, schematic diagram, etc.). Deep analysis of complex formulas, wiring/circuit diagram and other such items are excluded for above subject specifically for 'Railway Signalling' subject.