

BSNL Senior Executive Trainee (Telecom) – Syllabus

Part-I : Aptitude (40 Marks)

- Quantitative Ability & Data Sufficiency
- Reasoning (Analytical, Logical & Critical)
- Verbal Ability & Reading Comprehension

Part-II : Technical – Telecom (160 Marks)

- Basic Telecommunication Concepts: Signal Processing, Modulation/Demodulation, Spectrum Management
- Wireless Communication: 2G, 3G, 4G, 5G, KPIs, Satellite Communication
- Wireline Communication: NGN, PSTN, ISDN, SIP, FTTH, Broadband
- Transmission Systems: Optical Fiber, DWDM, OTN, GPON, EPON
- IP & Data Networks: OSI, TCP/IP, Routing, Switching, IPv4/IPv6, MPLS, Security
- Emerging Technologies: IoT, Cloud, AI in Telecom, SDN, NFV, Blockchain
- Project Management: Project Planning, PERT, CPM, Gantt Chart