



Syllabus for the post of TECHNICAL SUPERINTENDENT (Computer Science & Engineering)
(WRITTEN TEST & SKILL TEST)

Server Administration

- Basic and Advanced Linux Commands
- Windows Server Administration
- Storage Servers and their Connectivities: NFS, SAN, NAS, PFS
- Web Servers, Application Servers, Apache, Ngnix, IIS
- Database Installation and Configuration, My SQL, Postgresql

Network Management

- Basics of OSI, TCP/IP Model
- Basics of IPv4 and IPv6 (Internet Protocol), IPv4 Subnetting, VLAN, Network Topology,
- Network Protocol, Type of Network Devices, Port Security, TCP/UDP, Basic of Routing
- (static as well as dynamic), VoIP.
- Wireless LANs, Wireless LAN 802.11 Service Set, Wireless Security, Wireless
- Authentication Methods along with DHCP and DNS

IT Equipments and Interpreting Technical Data Sheets

- Server Configurations and Data Sheets
- CPU/GPU Configurations and Data Sheets
- CPU Variants such as Server Processors, Desktop Processors, Different OEM
- RAM Type, Bus Speed
- Router/Switch/Firewall Configurations and Data Sheets
- Understanding of Data Center, Cooling, Power Requirements and their Data Sheets
- UPS Configurations

Productivity Tools

- MS Office or Other Office suites
- Collaborative Platforms such as Google Docs, Overleaf, etc.
- Calendar Management

Technical Documentation

- LaTeX for Technical Documentations
- Understanding and Creating UML/BPML Documentation
- Creating Technical Diagrams: Vector Diagrams such as EPS, SVG
- Creation of Technical Presentations

Technical RFP Preparation

- PHP, C#, Java, Python
- Object-Oriented Design Principles

Project Management

- Agile Project management
- Gantt Chart
- Organizing, Assigning and Tracking Tasks
- Calendar Management