Syllabus for the post of Junior Technical Superintendent (Computer Science & Engineering) (Post Code 5204)

Written Test (60 Marks) and Skill Test (40 Marks)

Server Administration	- Basic and Advanced Linux Commands - Windows Server Administration - Storage Servers and their Connectivities: NFS, SAN, NAS, PFS
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 - UPS Configurations
Productivity Tools	- MS Office or Other Office suites - Microsoft Excel and PowerPoint - Collaborative Platforms such as Google Docs, Overleaf, etc. - Calendar Management
Technical Documentation	- Understanding and Creating UML/BPMN Documentation - Creating Technical Diagrams: Vector Diagrams such as EPS, SVG - Generate different charts from data - Creation of Technical Presentations
Event Management	- Understanding of Google Calendar, WebEx, Google Meet etc. - Screen Recording, OBS Studio etc.
Automation Through Scripting	- Python/Shell Script for String and File Handling, Searching, RegEx