

SCHEDULE OF 'BSNL CERTIFIED NETWORK ENGINEER' COURSE

| Date | Session | Particulars |
|--------------------------|--------------------------|--|
| Week - 1 | | |
| Week-1 Day-1 | 1 st Session | Introduction to RTTC and the Course |
| | 2 nd Sessions | Basic Concepts of Data Communication |
| | 3 rd Session | ISOs OSI reference Model |
| Week-1 Day-2 | 1 st Session | LAN Topologies & Network Elements |
| | 2 nd Sessions | Practical- LAN Implementation |
| | 3 rd Session | IPV4 addressing |
| Week-1 Day-3 | 1 st Session | VLSM, CIDR VLSM Design examples |
| | 2 nd Sessions | Practical - VLSM, CIDR VLSM Design examples |
| | 3 rd Session | TCP/IP Protocol Suite |
| Week-1 Day-4 | 1 st Session | Introduction to Routers (Hardware & software) |
| | 2 nd Sessions | Practical – Introduction to Routers (Hardware & software) |
| | 3 rd Session | Initial Configuration of Cisco Router |
| Week-1 Day-5 | 1 st Session | Practical - Initial Configuration of Cisco Router |
| | 2 nd Sessions | IP Routing Concepts, Static, Default Routing |
| | 3 rd Session | Practical - IP Routing Concepts, Static, Default Routing |
| Week - 2 | | |
| WWeek-2 Day-1 | 1 st Session | Criterion Test-1 |
| | 2 nd Sessions | Dynamic Routing Protocol – RIP |
| | 3 rd Session | Practical - Dynamic Routing Protocol – RIP |
| WWeek-2 Day-2 | 1 st Session | Dynamic Routing Protocol – OSPF |
| | 2 nd Sessions | Practical - Dynamic Routing Protocol – OSPF |
| | 3 rd Session | Dynamic Routing Protocol – EIGRP |
| Week-2 Day-3 | 1 st Session | Practical - Dynamic Routing Protocol – EIGRP |
| | 2 nd Sessions | Network Security and Firewall |
| | 3 rd Session | Practical - Network Security and Firewall |
| Week-2 Day-4 | 1 st Session | Network Address Translation |
| | 2 nd Sessions | Practical - Network Security and Firewall |
| | 3 rd Session | Practical - Network Address Translation |
| Week-2 Day-5 | 1 st Session | Managing Cisco Routers, Backing up and restoring IOS |
| | 2 nd Sessions | Practical - Managing Cisco Routers, Backing up and restoring IOS |
| | 3 rd Session | Mastery Test |

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|-------------------------|--------------------------|--|
| Week - 3 | | |
| Week-3 Day-1 | 1 st Session | VLAN-Overview, Features, Operation, Types |
| | 2 nd Sessions | Practical - Configuration of VLAN |
| | 3 rd Session | Introduction to Broadband , Access Technologies |
| Week-3 Day-2 | 1 st Session | Broadband Network Elements Familiarisation |
| | 2 nd Sessions | Practical - Broadband Network Elements Familiarisation |
| | 3 rd Session | WI FI & Wi-Max |
| Week-3 Day-3 | 1 st Session | Criterion Test-2 |
| | 2 nd Sessions | Lab-CPE and Wireless Broadband CPE Configuration & Wi-Fi |
| | 3 rd Session | Lab-CPE and Wireless Broadband CPE Configuration & Wi-Fi |
| Week-3 Day-4 | 1 st Session | MPLS Overview and MPLS Working |
| | 2 nd Sessions | MPLS VPN |
| | 3 rd Session | Basic MPLS Configuration in Cisco Routers and Trouble Shooting |
| Week-3 Day-5 | 1 st Session | Practical - Basic MPLS Configuration in Cisco Routers and Trouble Shooting |
| | 2 nd Sessions | Practical- MPLS VPN Configuration |
| | 3 rd Session | Practical- MPLS VPN Configuration |
| Week - 4 | | |
| Week-4 Day-1 | 1 st Session | Criterion Test 3 |
| | 2 nd Sessions | Introduction to IPV6 & Features |
| | 3 rd Session | Ipv6 Addressing |
| Week-4 Day-2 | 1 st Session | Ipv6 Addressing |
| | 2 nd Sessions | Ipv6 Neighbor Discovery & ICMPv6 |
| | 3 rd Session | Ipv4 Vs Ipv6 Header |
| Week-4 Day-3 | 1 st Session | Migration Strategies |
| | 2 nd Sessions | Ipv6 Routing concepts |
| | 3 rd Session | Ipv6 Routing concepts |
| Week-4 Day-4 | 1 st Session | Practical on IPV6 |
| | 2 nd Sessions | Practical on IPV6 |
| | 3 rd Session | Practical on IPV6 |
| Week-4 Day-5 | 1 st Session | Practical on IPV6 |
| | 2 nd Sessions | Criterion Test 4 |
| | 3 rd Session | Evaluation Session |

Timings

| | Time | Particulars | Time | Particulars |
|-------------------------------|----------------|-------------------------|----------------|-------------|
| Daily (For 5 days) | 09-30 to 11.00 | 1 st Session | 11.00 to 11.15 | Tea Break |
| | 11.30 to 12.45 | 2 nd Session | 12.45 to 13.45 | Lunch Break |
| | 13.45 to 15.15 | 3 rd Session | | |