



CCNP COURSE SELLEBUS

➤ **Module – 1 ROUTE**

- Scalable Internetwork Requirements
- Enhanced Interior Gateway Routing Protocol (EIGRP) Operation and Support
- Border Gateway Protocol (BGP) Operation and Support
- BGP , Open Shortest Path First (OSPF) , and EIGRP Configuration
- Standard and Extended Access Lists
- Route Redistribution
- Routing Update Traffic
- Policy – Based Routing
- IP Private Addresses
- Internet Protocol version 4 (IPv4) and Internet Protocol Version 6 (IPv6)
- Layer 3 Path Control

➤ **Module 2. SWITCH**

- Local Area network (LAN) Media Types
- Basic Switch Configuration
- Virtual Local Area Network (VLAN) Implementation
- Routing Between VLANs
- Multilayer Switching

- Hot Standby Routing Protocol (HSRP) Configuration
- Virtual Router Redundancy Protocol (VRRP) Configuration
- Multicasting
- Basic Quality of Service (QoS)
- Switch Security
- Network Access Restriction
- Campus Switch Networks
- Wireless Access
- Voice Over Internet Protocol (VOIP)

➤ **MODULE 3 TSHOOT**

- Troubleshooting EIGRP , OSPF , BGP
- Troubleshooting Routing Redistribution Solutions
- Troubleshooting Ipv6 Routing
- Troubleshooting Ipv6 and Ipv4 Interoperability
- Troubleshooting Switch to Switch Connectivity for the VLAN for the Based Solution
- Troubleshooting General Switch Security
- Troubleshooting Switch Virtual Interfaces (SVIs)
- Troubleshooting Wireless
- Troubleshooting a VoIP Support Solution



- Troubleshooting Layer 3 Security



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