Module 8: Network Access

• Beginner Question

1. Explain Switch

Ans- A switch is a networking device that connects multiple devices in a LAN, forwarding data packets to their intended destinations based on MAC addresses

1. Explain Switch Boot Sequence

Ans- Switch boot sequence: Performs power-on self-test (POST), loads and verifies the operating system (OS), and initializes configuration settings from non-volatile memory (NVRAM)

1. Explain Three Methods to access Switch Command Line Interface

Ans- Three methods to access a switch command line interface: console connection via serial cable, SSH (Secure Shell) over a network, and Telnet for remote access

1. Explain and Configuring the Cisco Internet Operating System

Ans- Configuring the Cisco Internetwork Operating System (IOS) involves accessing the CLI, configuring interfaces, setting up routing protocols, and securing the device with appropriate access controls

1. Explain Switch Port

Ans- A switch port is a physical interface on a network switch that connects devices to a local area network (LAN), facilitating communication between devices within the same network

1- Enable secret hashed using the algorithm.

Ans-A. MD5 B. AH C. PSK D. ESP E. WPA2 A. (MD5)

2- An engineer connects to Router R1 and issues a show ip ospf neighbor command. The status of neighbor 2.2.2.2 lists FULL/BDR. What does the BDR mean?

Ans - A. R1 is an Area Border Router. B. R1 is a backup designated router. C. Router 2.2.2.2 is an Area Border Router. D. Router 2.2.2.2 is a backup designated router (B. R1 is a backup designated router.)

3-Which command is used to view the neighbor discovery table on a PC?

Ans- A. show ipv6 neighbor B. show ipv6 neighbors C. netsh interface ipv6 show neighbor D. netsh interface ipv6 show neighbors A (show ipv6 neighbors)

4-What type of variable is being shown? Routers

Ans] A. List B. Dictionary C. Simple D. Unsigned integers (list)

5- Identify the fields in an IPv4 header. (Choose three

Ans- A. Host component B. Time to Live C. Source address D. Destination address E. Network (B) Time to live