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QUESTION 1

Which two advantages of using DWDM over traditional optical networks are true? (Choose two.)

- A. inherent topology flexibility and service protection provided without penalty through intelligent oversubscription of bandwidth reservation
- B. ability to expand bandwidth over existing optical Infrastructure
- C. inherent topology flexibility with built-in service protection
- D. inherent topology flexibility with intelligent chromatic dispersion
- E. inherent topology flexibility with a service protection provided through a direct integration with an upper layer protocol

Correct Answer: BC

Two advantages of using Dense Wavelength Division Multiplexing (DWDM) over traditional optical networks are:

Increased Capacity: DWDM allows for the multiplexing of multiple optical signals onto a single fiber, increasing the capacity of an optical network. This makes it possible to transmit a large amount of data over long distances without the need for additional physical fibers.

Improved Reliability: DWDM provides a more resilient and reliable network by allowing for the transmission of multiple optical signals at different wavelengths over a single fiber. In the event of a fiber cut or other failure, the network can reroute traffic over a different wavelength, minimizing downtime and disruptions.

QUESTION 2

The Company XYZ network is experiencing attacks against their router. Which type of Control Plane Protection must be used on the router to protect all control plane IP traffic that is destined directly for one of the router interfaces?

- A. Control Plane Protection host subinterface
- B. Control Plane Protection main interface
- C. Control Plane Protection transit subinterface
- D. Control Plane Protection CEF-exception subinterface

Correct Answer: A

QUESTION 3

Software-defined networking architecture is used for cost-effective, adaptable, and easily manageable applications. In which two software-defined networks is SDN commonly used? (Choose two.)

- A. wide area network
- B. mobile network



- C. metro network
- D. application network
- E. control network

Correct Answer: AB

NSN already using SDN for their telco https://en.wikipedia.org/wiki/Software-defined_networking#Applications

QUESTION 4

Which two data plane hardening techniques are true? (Choose two)

- A. warning banners
- B. redundant AAA servers
- C. Control Plane Policing
- D. SNMPv3
- E. infrastructure ACLs
- F. disable unused services
- G. routing protocol authentication

Correct Answer: EF

QUESTION 5

DRAG DROP

The network team in XYZ Corp wants to modernize their infrastructure and is evaluating an implementation and migration plan to allow integration MPLS-based, Layer 2 Ethernet services managed by a service provider to connect branches and remote offices. To decrease OpEx and improve response times when network components fail, XYZ Corp decided to acquire and deploy new routers. The network currently is operated over E1 leased lines (2 Mbps) with a managed CE service provided by the telco.

Drag and drop the implementation steps from the left onto the corresponding targets on the right in the correct order.

Select and Place:



- Activation of the MPLS-based L2VPN service.
- Monitor performance of the Ethernet service for a predefined period of time.
- Decomission E1 leased line.
- Deployment of new branch routers.
- Test and validation of SLA parameters in the L2VPN.
- Migrate E1 to the new Ethernet service.

- Step 1
- Step 2
- Step 3
- Step 4
- Step 5
- Step 6

Correct Answer:

- Deployment of new branch routers.
- Activation of the MPLS-based L2VPN service.
- Test and validation of SLA parameters in the L2VPN.
- Migrate E1 to the new Ethernet service.
- Monitor performance of the Ethernet service for a predefined period of time.
- Decomission E1 leased line.

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