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What does DWDM use to combine multiple optical signals?

- A. frequency
- B. IP protocols
- C. time slots
- D. wavelength

Correct Answer: D

QUESTION 40

You are creating new Cisco MPLS TE tunnels. Which type of RSVP message does the headend router send to reserve bandwidth on the path to the tunnel's router?

- A. error
- B. reservation
- C. path
- D. tear

Correct Answer: C

QUESTION 41

A network operator needs to implement PIM-SSM multicast configuration on customer's network so that users in different domains are able to access and stream live traffic. Which two actions must the engineer perform on the network to make the streaming work? (Choose two.)

- A. Configure at least one MSDP peer on the network
- B. Enable IGMP version 2 at the interface level.
- C. Enable PIM sparse mode on the device.
- D. Enable IGMP version 3 at the interface level.
- E. Enable PM dense mode on the device.

Correct Answer: AD

QUESTION 42

You are testing the capabilities of MPLS OAM ping. Which statement is true?

- A. MPLS OAM ping works solely with Cisco MPLS TE
- B. MPLS OAM ping works solely with P2P LSPs
- C. An LSP breakage results in the ingress MPLS router never receiving any reply
- D. An LSP is not required for the reply to reach the ingress MPLS router

Correct Answer: D

QUESTION 43

After a series of unexpected device failures on the network, a Cisco engineer is deploying NSF on the network devices so that packets continue to be forwarded during switchovers. The network devices reside in the same holding, but they are physically separated into two different data centers. Which task must the engineer perform as part of the deployment?

- A. implement OSPF to maintain the link-state database during failover.
- B. implement VRFs and specify the forwarding instances that must remain active during failover.
- C. implement an L2VPN with the failover peer to share state information between the active and

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standby devices.

- D. implement Cisco Express Forwarding to provide forwarding during failover

Correct Answer: C

QUESTION 44

Which OoS model allows hosts to report their QoS needs to the network?

- A. DiffServ
- B. CB-WFQ
- C. IntServ
- D. MQC

Correct Answer: A

QUESTION 45

Which two tasks must you perform when you implement LDP NSF on your network? (Choose two.)

- A. Enable NSF for EIGRP
- B. Enable NSF for the link-state routing protocol that is in use on the network.
- C. Disable Cisco Express Forwarding
- D. Implement direct connections for LDP peers
- E. Enable NSF for BGP

Correct Answer: BE

QUESTION 46

Why do packet loops occur during the configuration of BIDIR-PIM?

- A. The network does not support BIDIR-PIM
- B. The network is partially upgraded to support BIDIR-PIM
- C. No interface for carrying traffic for multicast groups has been configured
- D. The router has not been configured to advertise itself

Correct Answer: B

QUESTION 47

An engineer implemented LDP protocol on the ISP network. The engineer must ensure that there are no packet loss issues when IGP and LDP protocols are not synchronized. Which configuring must the engineer implement so that the IGP routing protocol will wait until LDP convergence is completed?

- A. Disable IP CEF routers running LDP and enable LDP protocol.
- B. Configure MPLS LDP IGP synchronization on the network.
- C. Configure LDP sessions protection on the network.
- D. Disable MPLS LDP IGP synchronization on the network.

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Correct Answer: B

QUESTION 48

When Cisco IOS XE REST API uses HTTP request methods what is the purpose of a PUT request?

- A. retrieves the specified resource or representation
- B. submits data to be processed to the specified resource
- C. updates the specified resource with new information
- D. creates a new resource

Correct Answer: C

QUESTION 49

Which additional feature does MPLS DiffServ tunneling support?

- A. matching EXP and DSCP values
- B. interaction between MPLS and IGP
- C. using GRE tunnels to hide markings
- D. PHB layer management

Correct Answer: D

QUESTION 50

Which protocol does a Cisco MPLS TE tunnel use to maintain paths within the core?

- A. RSVP
- B. VTP
- C. STP
- D. RPF

Correct Answer: A

QUESTION 51

You are configuring MPLS traffic-engineering tunnels in the core. Which two ways exist for the tunnel path across the core? (Choose two)

- A. Tunnel links inherit IGP metrics by default unless overridden
- B. Tunnels can be configured with dynamic path or explicitly defined path
- C. A zero bandwidth tunnel is not a valid option
- D. The bandwidth statement creates a "hard" reservation on the link-The dynamic path option is supported only with IS-IS

Correct Answer: AB

QUESTION 52

Which utility can you use to locate MPLS faults?

- A. MPLS traceroute
- B. EEM

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- C. MPLS LSP ping
- D. QoS

Correct Answer: C

QUESTION 53

What do Ansible and Salt Stack have in common?

- A. They both use DSL configuration language
- B. They both use YAML configuration language
- C. They both have agents running on the client machine
- D. They both can be designed with more than one master server

Correct Answer: D

QUESTION 54

A network engineer must enable the helper router to terminate the OSPF graceful restart process if it detects any changes in the LSA. Which command enables this feature?

- A. nsf ietf helper disable
- B. nsf cisco enforce global
- C. nsf ietf helper strict-lsa-checking
- D. nsf Cisco helper disable

Correct Answer: C

QUESTION 55

A customer has requested that the service provider use a Cisco MPLS TE tunnel to force the E-line service to take a specific route. What is used to send the traffic over the tunnel?

- A. static route
- B. preferred path
- C. forwarding adjacency
- D. autoroute destination

Correct Answer: B

QUESTION 56

Which statement about Network Services Orchestrator (NSO) is true?

- A. It is used only in service provider environments
- B. It can be used only with XML coding
- C. It uses YANG modeling language to automate devices
- D. It must use SDN as an overlay for addressing

Correct Answer: C

QUESTION 57

A network team has failed to implement IS-IS multitenancy. What is the reason for it?

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- A. The router did not support VRFs.
- B. The routing process did not support extended metrics.
- C. The router did not have Cisco Discovery Protocol and Cisco Express Forwarding disabled.
- D. The routing process supported Level 1 only.

Correct Answer: B

QUESTION 58

A company needs to improve the use of the network resources that is used to deploy internet access service to customers on separate backbone and internet access network. Which two major design models should be used to configure MPLS L3VPNs and internet service in the same MPLS backbone? (Choose two.)

- A. Carriage of full internet routes in a VPN, in the case of internet access VPNS
- B. Internet routing through global routing on a PE router.
- C. Internet access routing as another VPN in the ISP network.
- D. Internet access through leaking of internet routed from the global table into the L3VPN VRF
- E. Internet access for global routing via a separate interface in a VRF

Correct Answer: CE

QUESTION 59

After implement MPLS protocol for multiple VRFs on a single Cisco device, the engineer notices all VRFs on the router still do not LDP session protection feature enabled. Which configuration must the engineer apply to enable the LDP session protection feature FOR LDP neighbors within each VRF?

- A. Configure LDP session protection globally on the device only.
- B. Configure LDP session protection globally on the device and on each neighbor that requires session protection.
- C. Configure LDP session authentication on the device to enable LDP session protection on each VRF automatically.
- D. Configure LDP session protection within the individual VRFs.

Correct Answer: D

QUESTION 60

A network engineer is configuring RIP as the routing protocol between multiple PEs and CEs. The engineer must avoid advertising the same routes back to their sources. Which action should be performed on the routers to accomplish this task?

- A. Configure a different route distinguisher for each prefix.
- B. Define the site of origin on each interface.
- C. Define VRFs on each device to separate the traffic.
- D. Enable bidirectional forwarding detection on each device.

Correct Answer: B

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