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JN0-348

Enterprise Routing and Switching, Specialist



Exam A

QUESTION 1 What are two benefits of 802.3ad link aggregation?
(Choose two.)

- A. It increases bandwidth.
- B. It ensures symmetrical paths.
- C. It simplifies interface configuration.
- D. It creates physical layer redundancy.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which statement is true about IP-IP tunnels?

- A. Intermediate devices must have a route to the destination address of the traffic being tunneled.
- B. Intermediate devices must have a route to both the tunnel source address and the tunnel destination address.
- C. Intermediate devices must have a route to the tunnel destination address but do not require a route to the tunnel source address.
- D. Intermediate devices must have a route to the tunnel source address but do not require a route to the tunnel destination address.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3

You have a conference room with an open network port that is used by employees to connect to the network. You are concerned about rogue switches being connected to this port.
Which two features should you enable on your switch to limit access to this port? (Choose two.)

- A. DHCP snooping
- B. dynamic ARP inspection
- C. MAC limiting
- D. 802.1X

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4 Which statement is correct about IS-IS link state PDUs?

- A. They are used to maintain link-state database synchronization.
- B. They are used to establish adjacencies.
- C. They are used to build the link-state database.
- D. They are used to determine whether the neighbors are Level 1 or Level 2.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 Which Junos feature allows you to combine multiple interfaces into a single bundle?

- A. VRRP
- B. Virtual Chassis
- C. LAG
- D. NSB

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 Which protocol prevents loops and calculates the best path through a switched network that contains redundant paths?

- A. VRRP
- B. STP
- C. DHCP
- D. IS-IS



Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7 Which two characteristics are true for EBGP peerings?

(Choose two.)

- A. EBGP peers must be directly connected.
- B. EBGP connects peer devices in the same autonomous system.
- C. EBGP connects peer devices in two different autonomous systems.
- D. EBGP peers can be connected over a multihop connection.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8 What are two advantages of a point-to-point OSPF adjacency?

(Choose two.)

- A. Only a DR is elected.
- B. No type 1 LSAs are generated.
- C. No type 2 LSAs are generated.

D. There is quicker neighbor establishment.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 Which two port security features use the DHCP snooping database for additional port security?

(Choose two.)

A. dynamic ARP inspection

B. MACsec

C. IP Source Guard

D. MAC learning

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

You want to configure Layer 2 services over an IP-based tunneling mechanism between two sites.

Which configuration statement is required to accomplish this task?

A. set interfaces gr-0/0/0.0 family bridge

B. set interfaces ip-0/0/0.0 encapsulation vlan-bridge

C. set interfaces gr-0/0/0.0 encapsulation vlan-bridge

D. set interfaces ip-0/0/0.0 family bridge



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11 Which two routers belong to the 172.16.0.0/22 aggregate route?

(Choose two.)

A. 172.16.4.0/24

B. 172.16.0.0/24

C. 172.16.5.0/24

D. 172.16.3.0/24

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12 Which two statements are correct regarding the root bridge election process when using STP?

(Choose two.)

- A. A lower system MAC address is preferred.
- B. A higher bridge priority is preferred.
- C. A lower bridge priority is preferred.
- D. A higher system MAC address is preferred.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13 What are two reasons for configuring more than one VLAN on a switch?

(Choose two.)

- A. A group of clients requires that security be applied to traffic entering or exiting the group's devices.
- B. A group of devices must forward traffic across a WAN.
- C. A group of devices are connected to the same Layer 3 network.
- D. A group of clients requires that the group's devices receive less broadcast traffic than they are currently receiving.

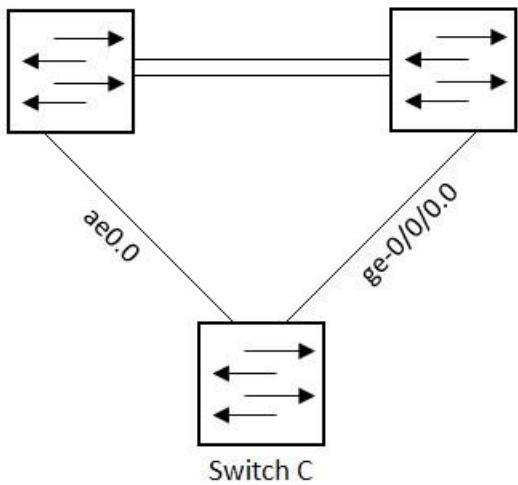
Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14



Referring to the exhibit, which configuration will force traffic to always use ae0.0 as long as it is active?

- ```
A. user@switchC# show switch-options
redundant-trunk-group {
group rtg1 {
interface ge-0/0/0.0;
interface ae0.0 {
minimum-links 2;
}
}
}
```

B. user@switchC# show switch-options  
redundant-trunk-group {  
group rtg1 {  
interface ge-0/0/0.0 {  
priority200;  
}  
interface ae0.0 {  
priority 254;  
}  
}  
}  
}  
  
C. user@switchC# show switch-options  
redundant-trunk-group {  
group rtg1 {  
interface ge-0/0/0.0;  
interface ae0.0 {  
primary;  
}  
}  
}  
}  
  
D. user@switchC# show switch-options  
redundant-trunk-group {  
group rtg1 {  
interface ge-0/0/0.0 {  
track {  
interface ae0.0;  
}  
}  
interface  
ae0.0;  
}  
}



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 15** What are two characteristics of OSPF ABRs?

(Choose two.)

- A. ABRs transmit routing information between the backbone and other areas.
- B. ABRs cannot be part of the backbone and another area at the same time.
- C. ABRs inject routing information from outside the OSPF domain.
- D. ABRs link two OSPF areas.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 16** Which statement is correct about trunk ports?

- A. Trunk ports must have an IRB assigned to accept VLAN tagged traffic.
- B. By default, trunk ports accept only VLAN tagged traffic.
- C. By default, a trunk port can have only a single VLAN assigned.
- D. Trunk ports must have an IRB assigned to accept untagged traffic.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 17

Your network is configured with dynamic ARP inspection (DAI) using the default parameters for all the DHCP and ARP related configurations. You just added a new device connected to a trunk port and configured it to obtain an IP address using DHCP.

Which two statements are correct in this scenario? (Choose two.)

- A. The DHCP server assigns the IP addressing information to the new device.
- B. DAI validates the ARP packets for the new device against the DHCP snooping database.
- C. The ARP request and response packets for the new device will bypass DAI.
- D. DHCP snooping adds the DHCP assigned IP address for the new device to its database.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 18** Which two requirements must be satisfied before graceful restart will work?  
(Choose two.)

- A. a stable network topology
- B. a neighbor configured with BFD
- C. a neighbor configured with graceful restart
- D. a neighbor with an uptime greater than an hour

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 19

You configured a GRE tunnel that traverses a path using default MTU settings. You want to ensure that packets are not dropped or fragmented. In this scenario, what is the maximum packet size that would traverse the GRE tunnel?

- A. 1500
- B. 1400
- C. 1524
- D. 1476

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 20**

You have configured the router with an IS-IS interface metric of 2048. However, the IS-IS interface metric of 63 is being applied for the interface of this router. What must you do to enable the larger metric value?

- A. Enable wide metrics.
- B. Disable narrow metrics.
- C. Restart the IS-IS protocol.
- D. Enable level 1 IS-IS routing.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 21** When configuring firewall filters, which function does the `interface-specific` parameter enable on an EX Series switch?

- A. The `interface-specific` parameter is required to configure port-specific counters.
- B. The `interface-specific` parameter is required to configure VLAN-specific counters.
- C. The `interface-specific` parameter is required to configure VLAN-based filters.
- D. The `interface-specific` parameter is required to configure port-based firewall filters.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 22** Which two statements describe BGP attributes?

(Choose two.)

- A. BGP attributes help determine the best path to a destination.
- B. The origin attribute indicates the autonomous systems through which the route has traversed.
- C. BGP attributes are always optional.
- D. The AS path attribute indicates the autonomous systems through which the route has traversed.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23** Which two OSPF header fields must match to form an adjacency over a broadcast connection?

(Choose two.)

- A. router priority
- B. options
- C. hello interval
- D. neighbor

**Correct Answer:** BC

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 24**

You want to advertise only a default route into a new area, which will be called area 7. In this scenario, which configuration statement would solve this problem?

- A. user@host# set protocols ospf area 0.0.0.7 nssa default-lsa default-metric 10
- B. user@host# set protocols ospf area 0.0.0.7 stub no-summaries
- C. user@host# set protocols ospf area 0.0.0.7 stub default-metric 10
- D. user@host# set protocols ospf area 0.0.0.7 stub

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 25** Which static route next-hop value indicates that the packet will be silently dropped?

- A. resolve
- B. discard
- C. reject
- D. next-table



**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 26** Which area is reserved for the OSPF backbone?

- A. Area 0.0.0.0
- B. Area 1.1.1.1
- C. Area 2.2.2.2
- D. Area 3.3.3.3

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 27**

You want to configure your Junos device so that routing information from certain prefixes on a neighboring router are ignored. What should you configure on your device?

- A. It interface
- B. firewall rule

C. martian address  
D. vt interface

**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 28** Which three mechanisms are associated with the bridging process?  
(Choose three.)

- A. blocking
- B. flooding
- C. aging
- D. filtering
- E. listening

**Correct Answer:** BCD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 29**

Your network connections to the Internet through two different ISPs using EBGP. You must ensure that ISP1 is the primary path used for all traffic entering your network while using ISP2 as a backup path. In this scenario, which statement is correct?

- A. You should use a lower MED value on routes sent to ISP1.
- B. You should assign a higher local preference on routes that you are sending to ISP1.
- C. You should change the next hop for all routers sent to ISP2.
- D. You should prepend your local AS number three times on routes that you are sending to ISP2.



**Correct Answer:** D  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 30** Which two situations would cause dynamic ARP inspection to drop traffic?  
(Choose two.)

- A. if no IP-to-MAC address entry exists in the DHCP snooping database
- B. if the IP address in the ARP packet is deemed invalid
- C. if the requested MAC address exceeds the configured limit on the port
- D. if the ARP packet comes from a port that has been configured as trusted

**Correct Answer:** AB  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**

**QUESTION 31** Which device is used to separate collision domains?

- A. switch
- B. router
- C. hub
- D. firewall

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 32** What is the default BGP group type on a Junos device?

- A. internal
- B. external
- C. multihop
- D. null

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 33** In which two STP states is a port active and a MAC address learned?

(Choose two.)

- A. blocking
- B. forwarding
- C. disabled
- D. learning



**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

You are enabling dynamic ARP inspection on an EX4300 switch. Which service is enabled by default in this scenario?

- A. DHCP snooping
- B. persistent MAC learning
- C. MAC limiting
- D. IP Source Guard

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35** Which two sequences correctly describe the processing order of firewall filters on an EX Series switch?  
(Choose two.)

- A. router filter > VLAN filter > port filter > transmit packet
- B. port filter > VLAN filter > router filter > transmit packet
- C. receive packet > port filter > VLAN filter > router filter
- D. receive packet > router filter > VLAN filter > port filter

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 36** Which statement is true when using LAGs with an EX4300?

- A. Speeds on member links can differ.
- B. Member links must be contiguous.
- C. Half duplex is supported on the LAG.
- D. You can have up to 16 member links per LAG.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 37** How many bytes of overhead are added to a packet traversing a GRE tunnel?

- A. 20
- B. 24
- C. 12
- D. 16

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 38**

You added a new ESXi host connected to port ge-0/0/1. One of the VMs configured with VLAN 10 is not reachable from any other device on the switch. To troubleshoot, you decide to verify if the VM's MAC address is learned properly under VLAN 10.

Which command would you use in this scenario?

- A. show ethernet-switching table vlan-id 10
- B. show interfaces ge-0/0/1 detail
- C. show vlans 10
- D. monitor interface ge-0/0/1

**Correct Answer:** A

**Section:** (none)

**Explanation**



**Explanation/Reference:****QUESTION 39**

You are adding a new EX4300 member switch to your existing EX4300 Virtual Chassis. However, the new member is not running the same Junos version as the other members. By default, what is the expected behavior in this scenario?

- A. the Virtual Chassis will transition into a split brain situation between the existing master Routing Engine and the switch running the different version.
- B. The new switch will automatically pull the correct version from the master Routing Engine and perform the necessary upgrade.
- C. The new switch will be assigned a member ID and then placed in an inactive state.
- D. The new switch is not recognized by the Virtual Chassis.

**Correct Answer:** C**Section:** (none)**Explanation****Explanation/Reference:****QUESTION 40** What are the three possible port states when using RSTP?

(Choose three.)

- A. forwarding
- B. learning
- C. discarding
- D. listening
- E. tagging

**Correct Answer:** ABC**Section:** (none)**Explanation****Explanation/Reference:****QUESTION 41** What are two characteristics of IS-IS CSNPs?

(Choose two.)

- A. IS-IS CSNPs contain header information for all link-state PDUs.
- B. IS-IS CSNPs are used to request a copy of a missing link state PDU.
- C. IS-IS CSNPs are used to maintain the link-state database synchronization.
- D. IS-IS CSNPs contain header information for specific requested link-state PDUs.

**Correct Answer:** AC**Section:** (none)**Explanation****Explanation/Reference:****QUESTION 42** What are two methods for reducing the size of an OSPF link-state database?

(Choose two.)

- A. Use unique router IDs where possible.
- B. Use identical link metrics where possible.
- C. Use point-to-point interface types where possible.
- D. Use stub areas where possible.

Correct Answer: CD

Section: (none)

Explanation

Explanation/Reference:

