Juniper JN0-348 : Practice Test

Exam Code: JN0-348

Title : Enterprise Routing and Switching, Specialist (JNCIS-ENT)

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

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

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

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

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

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

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

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

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

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

QUESTION 11
Which two routes 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

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.

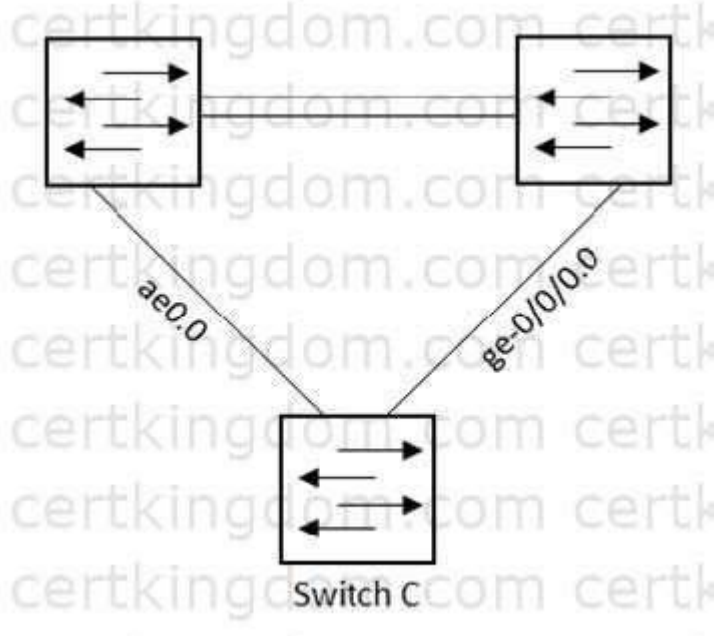
Correct Answer: AC

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

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

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

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

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

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

QUESTION 19
You configured a GRE tunnel that traverses a path using default MTU settings. You want to ensure that packets are not dropped of 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

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

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

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

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

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

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

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

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

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

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

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

QUESTION 31
Which device is used to separate collision domains?

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

Correct Answer: A

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

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

Correct Answer: B

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

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

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

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

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

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

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

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

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.

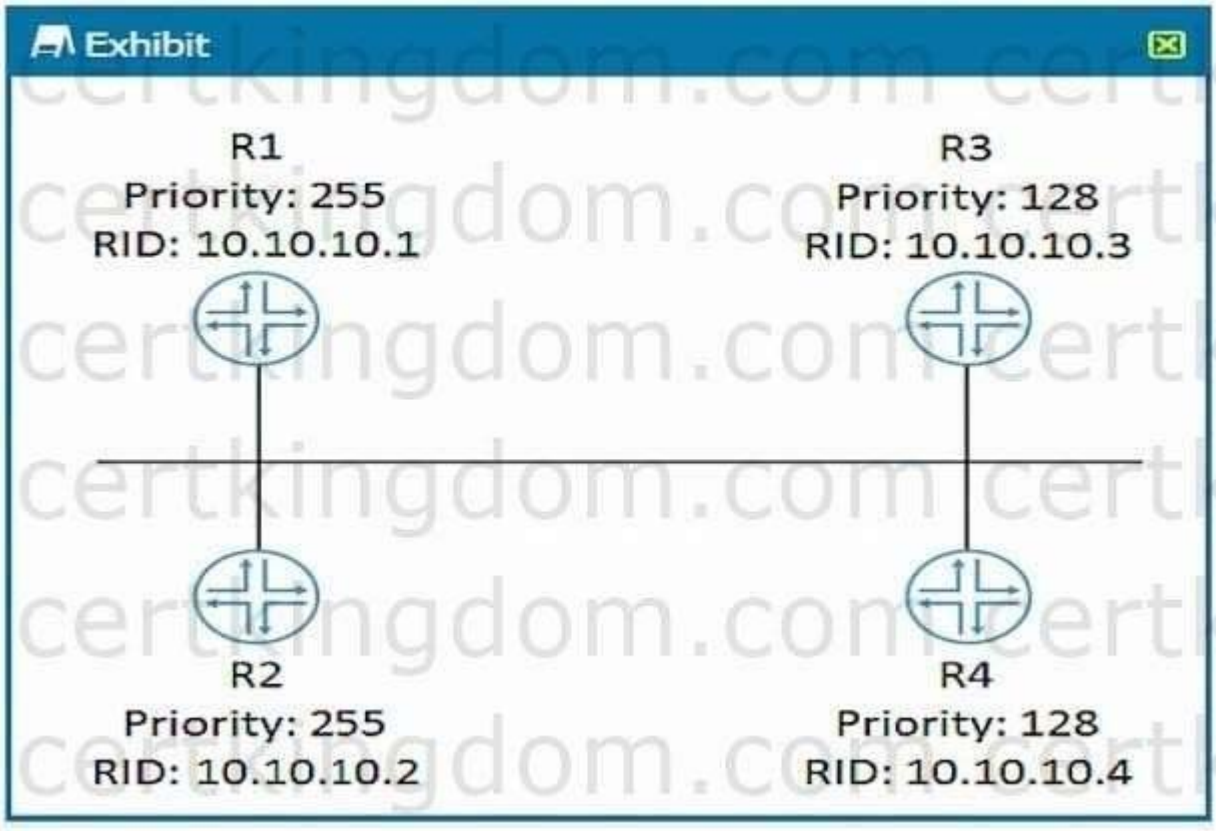
Correct Answer: AC

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

QUESTION 43
Click the Exhibit button.



Referring to the exhibit, which router becomes the OSPF DR when all routers are powered on at the same time?

A. R3
B. R4
C. R1
D. R2

Correct Answer: D

QUESTION 44
Click the Exhibit button.

```
{master:0}
user@switch> show spanning-tree interface

Spanning tree interface parameters for instance 0

Interface    Port ID    Designated      Designated          Port    State  Rol
                        port ID         bridge ID           Cost
ge-0/0/8.0     128:521      128:521   8192.50c58daedb41       200  FWD    DES
ge-0/0/9.0      64:522       64:522   8192.50c58daedb41      2000  FWD    DES
ge-0/0/14.0    240:527      240:527   8192.50c58daedb41     20000  FWD    DES
ge-0/0/15.0    128:528      128:528   8192.50c58daedb41    200000  FWD    DES
```

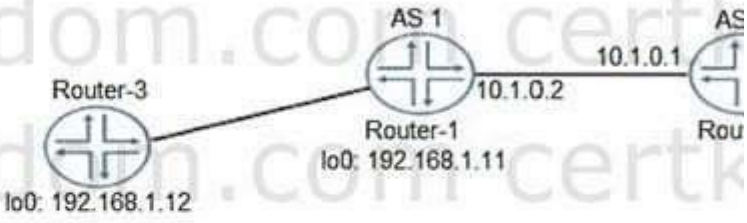
Based on the output shown in the exhibit, which statement is correct?

A. This switch has been elected as the root bridge
B. This switch has a bridge priority of 32k
C. The ge-0/0/15 interface is using the default port cost
D. The ge-0/0/9 interface is using the default priority value

Correct Answer: A

QUESTION 45
Click the Exhibit button.

```
[edit protocols bgp]
user@Router-1# show
preference 150;
keep all;
mtu-discovery;
export statics;
remove-private;
local-as 5;
tcp-mss 4096;
group EXT {
        peer-as 2;
        neighbor 10.1.0.1;
}
group INT {
        type internal;
        local-address 192.168.1.11;
        local-as 1;
        neighbor 192.168.1.12;
}
```




```
[edit protocols bgp]
user@Router-1# run show bgp summary
Groups: 2 Peers: 2 Down peers: 1
Table  Tot Paths    Act Paths    Suppressed    History Damp State    Pending
inet.0          5            4             0          0          0          0
Peer            AS         InPkt        OutPkt      OutQ   Flaps Lasr  Up/Dwn State | #Active
10.1.0.1         2             1             2         0       0          3:37  Active
192.168.1.12     1            14            15         0       0          4:05  4/5/4/0
```

Referring to the exhibit, Router-1 is attempting to form an EBGP session with Router-2. However, BGP routes are never exchanged between Router-1 and Router-2.
What is causing the problem?

A. The TCP-MSS value is set too low
B. The EXT group is not configured as an external type BGP peering session
C. The EBGP session is configured to use the wrong AS
D. The keep all statement is preventing the session from establishing

Correct Answer: B

QUESTION 46
Click the Exhibit button.

```
[edit]
user@router# run show route protocol aggregate

inet.0: 9 destinations, 10 routes (9 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

172.12.16.0/20         *[Aggregate/130] 00:00:32
                        Discard
```

Given the route shown in the exhibit, which two prefixes contribute to the aggregate route? (Choose two.)

A. 172.12.31.0/24
B. 172.12.33.0/24
C. 172.12.30.0/24
D. 172.12.32.0/24

Correct Answer: AC

QUESTION 47
Click the Exhibit button.

```
user@router> show bgp neighbor 192.168.200.2
Peer: 192.168.200.2+179 AS 11685 Local: 192.168.200.1+49469 AS 7029
  Type: External    State: Established    Flags: <ImportEval Sync>
  Last State: OpenConfirm   Last Event: RecvKeepAlive
  Last Error: None
  Options: <Preference AddressFamily PeerAS LocalAS Rib-group Refresh>
  Address families configured: inet-unicast inet-vpn-unicast l2vpn-signaling
  Holdtime: 90 Preference: 170 Local AS: 7029 Local System AS: 0
  Number of flaps: 0
  Peer ID: 10.8.241.31     Local ID: 10.8.241.30       Active Holdtime: 90
  Keepalive Interval:30          Group index: 0    Peer index: 0
  BFD: disabled, down
  Local Interface: xe-0/2/3.0
  NLRI for restart configured on peer: inet-unicast inet-vpn-unicast l2vpn
  NLRI advertised by peer: inet-unicast
  NLRI for this session: inet-unicast
  Peer supports Refresh capability (2)
  Stale routes from peer are kept for: 300
  Peer does not support Restarter functionality
  NLRI that restart is negotiated for: inet-unicast
  NLRI of received end-of-rib markers: inet-unicast
  NLRI of all end-of-rib markers sent: inet-unicast
  Peer supports 4 byte AS extension (peer-as 11685)
  Peer does not support Addpath
  Table inet.0 Bit: 10000
    RIB State: BGP restart is complete
    Send state: in sync
    Active prefixes:              0
    Received prefixes:            0
    Accepted prefixes:            0
    Suppressed due to damping:    0
    Advertised prefixes:          0
  Last traffic (seconds): Received 17   Sent 17   Checked 17
  Input messages:  Total 2      Updates 1       Refreshes 0     Octets 42
  Output messages: Total 3      Updates 0       Refreshes 0     Octets 136
  Output Queue[0]: 0
```

Your router is configured to peer with your ISP's router using BGP. You can only control your BGP configuration.
Which address families are negotiated between the two BGP peers shown in the exhibit?

A. inet-unicast inet-vpn-unicast 12vpn-signaling
B. inet-unicast
C. inet-vpn-unicast
D. inet-unicast inet-vpn-unicast 12vpn

Correct Answer: B

QUESTION 48
Click the Exhibit button.

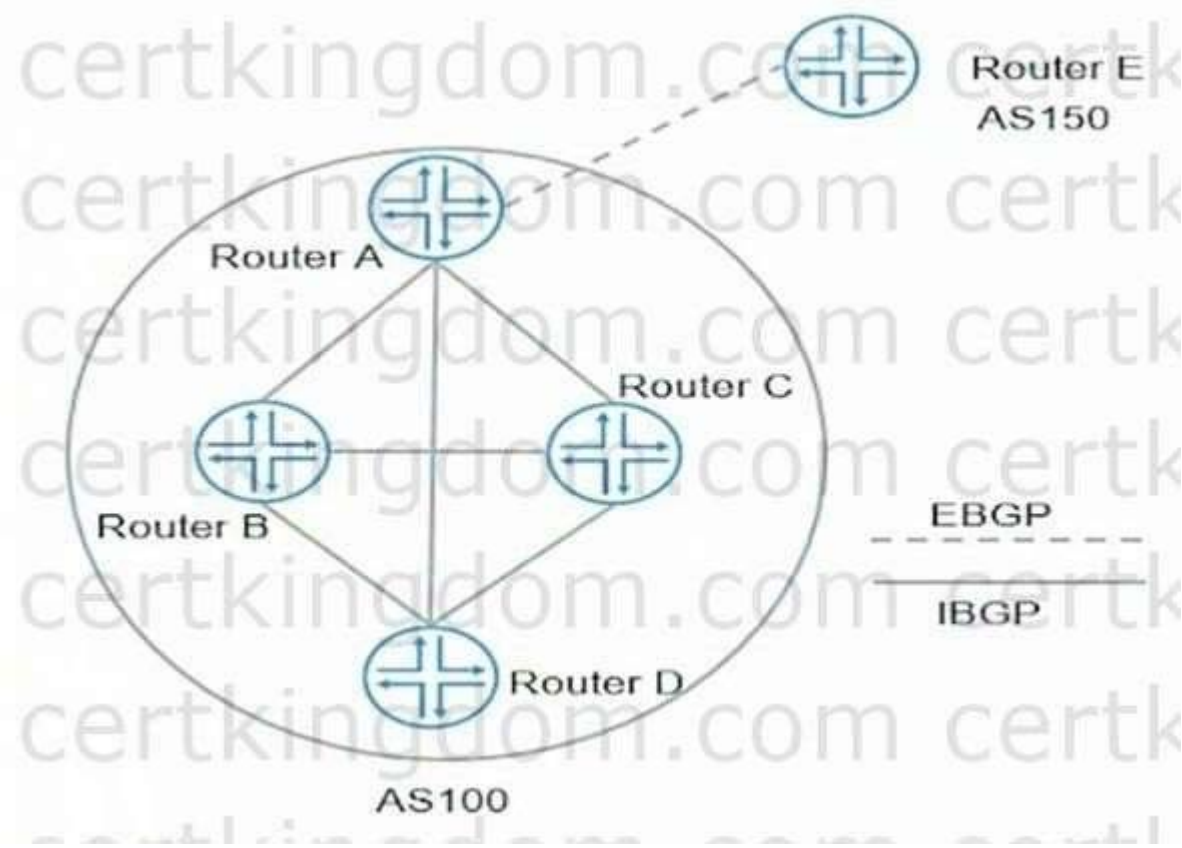
```
user@switch> show interfaces ae0
error: device ae0 not found

user@switch> show configuration
...
chassis {
    nssu;
}
interfaces {
    ge-0/0/3 {
        ether-options {
            802.3ad ae0;
        }
    }
    ge-1/0/4 {
        ether-options {
            802.3ad ae0;
        }
    }
ae0 {
    unit 0 {
        family ethernet-switching {
            vlan {
                members default;
            }
        }
    }
  }
}
vlans {
    default {
        vlan-id 1;
    }
}
```

Referring to the exhibit, what is the problem?

A. The LAG member interfaces are configured across different line cards
B. LAG requires more than two member links
C. LACP is required for LAG to work
D. Aggregated interfaces must be defined under the chassis stanza

Correct Answer: D

QUESTION 49
Click the Exhibit button.



Referring to the exhibit, which two statements are correct? (Choose two.)

A. Router A does not send routes learned from Router E to Router B, Router C, and Router D
B. Router A sends routes learned from Router E to Router B, Router C, and Router D
C. Router A sends routes learned from Router D to Router B and Router C
D. Router A does not send routes learned from Router D to Router B and Router C

Correct Answer: BD

QUESTION 50
Click the Exhibit button.

```
[edit]
user@router# show interfaces
...
lo0 {
    unit 0 {
        family inet {
            address 1.1.1.1/32;
        }
        family iso {
            address 49.0001.1921.6800.1001.00;
        }
    }
}
```

Which statement is correct about the ISO NET address shown in the exhibit?

A. The system identifier is 6800.1001.00
B. The area identifier is 0001
C. The authority and format identifier (AFI) is 00
D. This is not a valid NET address

Correct Answer: B

QUESTION 51
Click the Exhibit button.

```
[edit protocols bgp]
user@router# show
import add-community;
export next-hop-self;
group ISPs {
    type external;
    import local-pref;
    export adv-aggregate;
    neighbor 172.30.1.1 {
        peer-as 65100;
    }
    neighbor 172.30.2.1 {
        export adv-custom;
        peer-as 65200;
    }
}
group Internal-Peers {
    type internal;
    neighbor 192.168.110.10;
    neighbor 192.168.110.20;
}
```

Which statement is true about the configuration shown in the exhibit?

A. Only the local-pref import policy will be evaluated when routes are learned from neighbor 172.30.1.1
B. Only the add-community import policy will be evaluated when routes are learned from neighbor 172.30.1.1
C. No import policy will be evaluated when routes are learned from neighbor 172.30.2.1
D. Both the add-community and local-pref import policies will be evaluated when routes are learned from neighbor 172.30.2.1

Correct Answer: D

QUESTION 52
Click the Exhibit button.

```
user@router> show ospf database

    OSPF database, Area 0.0.0.0
 Type       ID               Adv Rtr           Seq         Age  Opt  Cksum  Len
Router   *172.16.248.14    172.16.248.14    0x8000000c    10  0x22 0x4a3d  36
Router    172.16.248.213   172.16.248.213   0x80000002   331  0x22 0xd32f  36
Network *172.16.248.214    172.16.248.14    0x80000001    10  0x22 0x4459  32
```

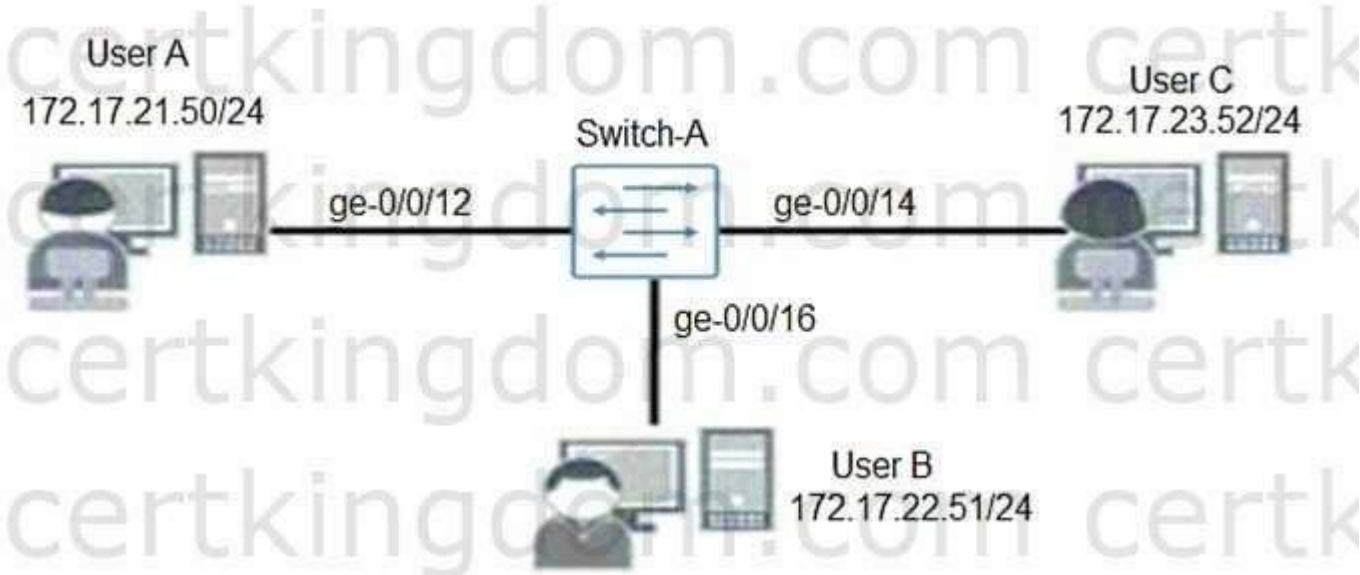
Referring to the exhibit, what do the asterisks (*) indicate?

A. The entries are new

B. The entries are stale
C. The router originated the entries
D. The router received the entries

Correct Answer: C

QUESTION 53
Click the Exhibit button.



In the exhibit, each IP subnet in the network is associated with a unique VLAN ID. Which action will ensure that Host C will communicate with Host A and Host B?

A. Configure an IRB interface for each VLAN and associate it with its corresponding VLAN
B. Configure a port-based ACL that permits inter-VLAN routing for all configured VLANs
C. Configure all switch ports connecting to the host devices as trunk ports associated with all VLANs
D. Configure all switch ports connecting to the host devices as access ports associated with a common VLAN

Correct Answer: A

QUESTION 54
Click the Exhibit button.

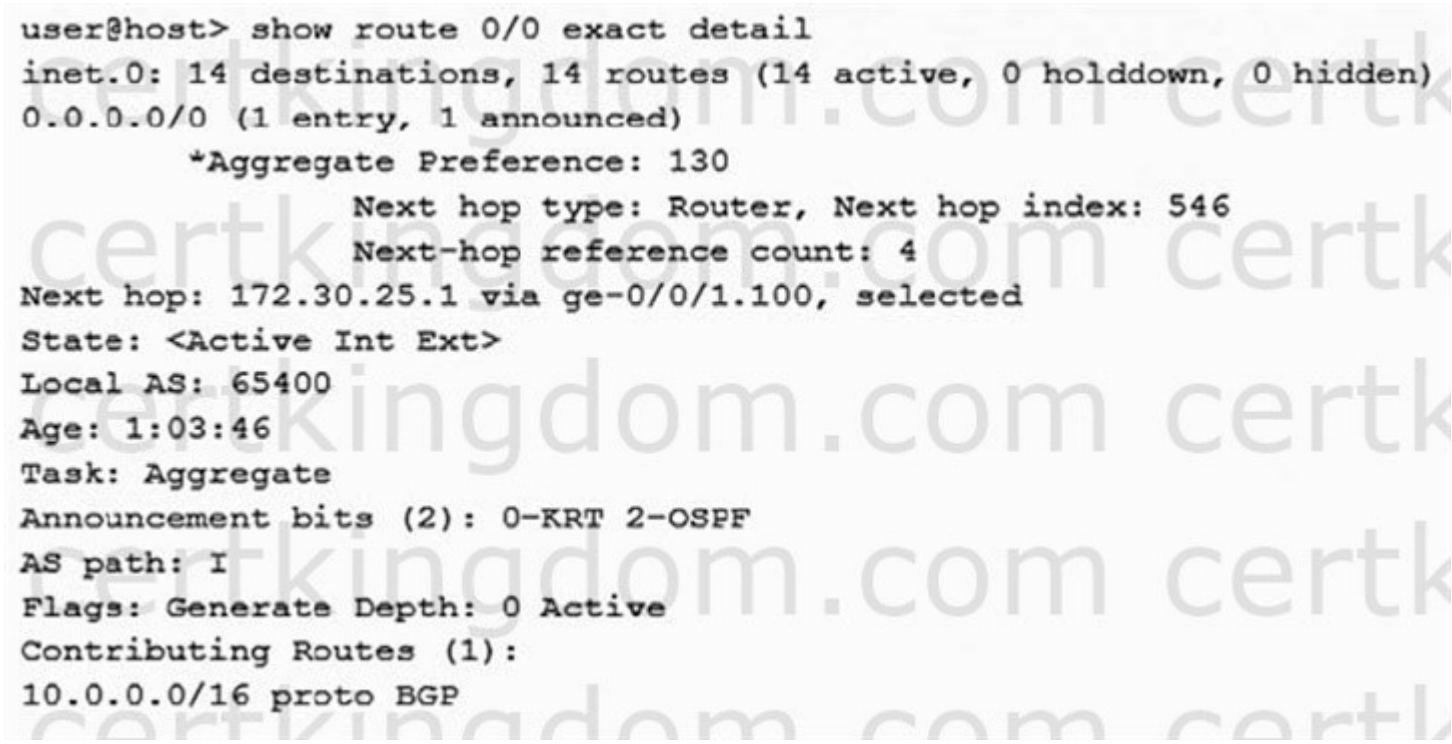
```
user@host# show
    firewall {
        family ethernet-switching {
            filter ingress-vlan-limit-guest {
                term guest-to-guest {
                    from {
                        destination-address 192.0.2.33/28;
                    }
                    then {
                        accept;
                    }
                }
                term no-guest-employee-no-peer-to-peer {
                    from {
                        destination-mac-address 00.05.5E.00.00.DF;
                    }
                    then {
                        accept;
                    }
                }
            }
        }
    }
}
vlans {
    guest-vlan {
    }
}
```

A recent security audit indicates that peer-to-peer applications are allowed on the guest VLAN and employees may have been using the guest VLAN for this purpose. You deploy the configuration shown in the exhibit, but it does not stop the peer-to-peer traffic.
In this scenario, what must you do to implement the security policy?

A. Implement 802.1X on the guest VLAN
B. Attach the filter to the VLAN
C. Deploy storm control to block unknown unicast traffic
D. Use persistent MAC learning

Correct Answer: B

QUESTION 55
Click the Exhibit button.



Referring to the output shown in the exhibit, which two statements are true?

A. The route is active
B. The route is not active
C. The route is a generate route
D. The route is an aggregate route

Correct Answer: AC

QUESTION 56
Click the Exhibit button.

Referring to the exhibit, which configuration change is needed for an IS-IS Level 1 adjacency between R1 and R2?

A. Configure the lo0 family ISO address 49.0002.0010.0042.0002.00 on R2
B. Configure the lo0 family ISO address 49.0002.0010.0042.0002.00 on R1
C. Enable Level 2 on R1's ge-0/0/1 interface
D. Disable Level 2 on R2's ge-0/0/1 interface

Correct Answer: A

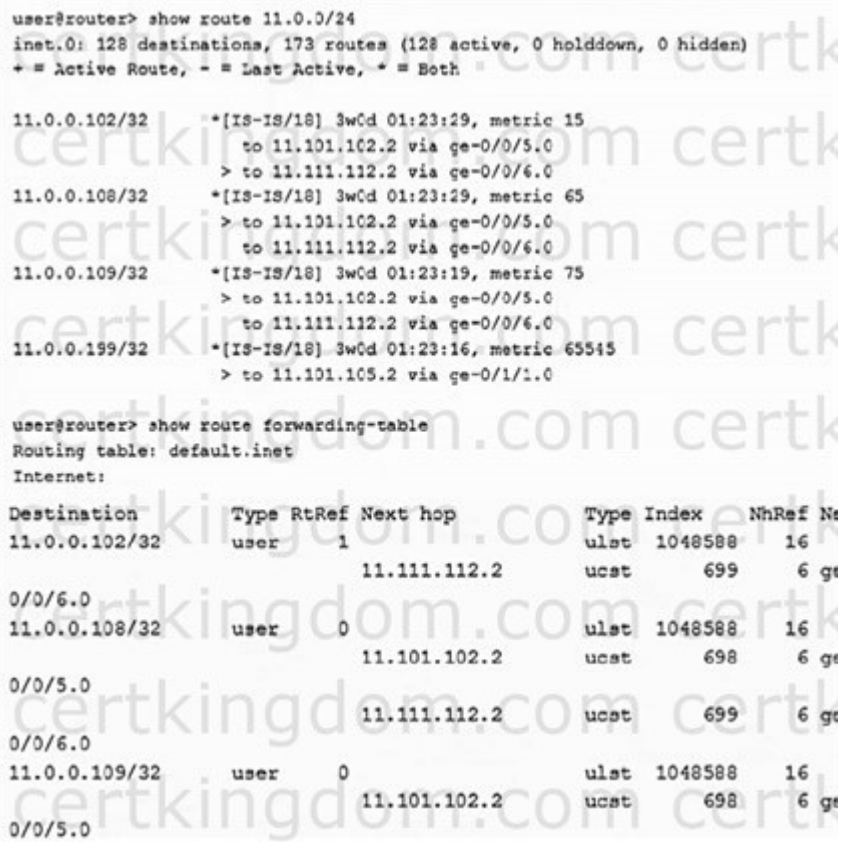
QUESTION 57
Click the Exhibit button.

Based on the traceoptions output shown in the exhibit, what is the problem with the adjacency?

A. connectivity
B. authentication mismatch
C. MTU mismatch
D. area mismatch

Correct Answer: D

QUESTION 58
Click the Exhibit button.



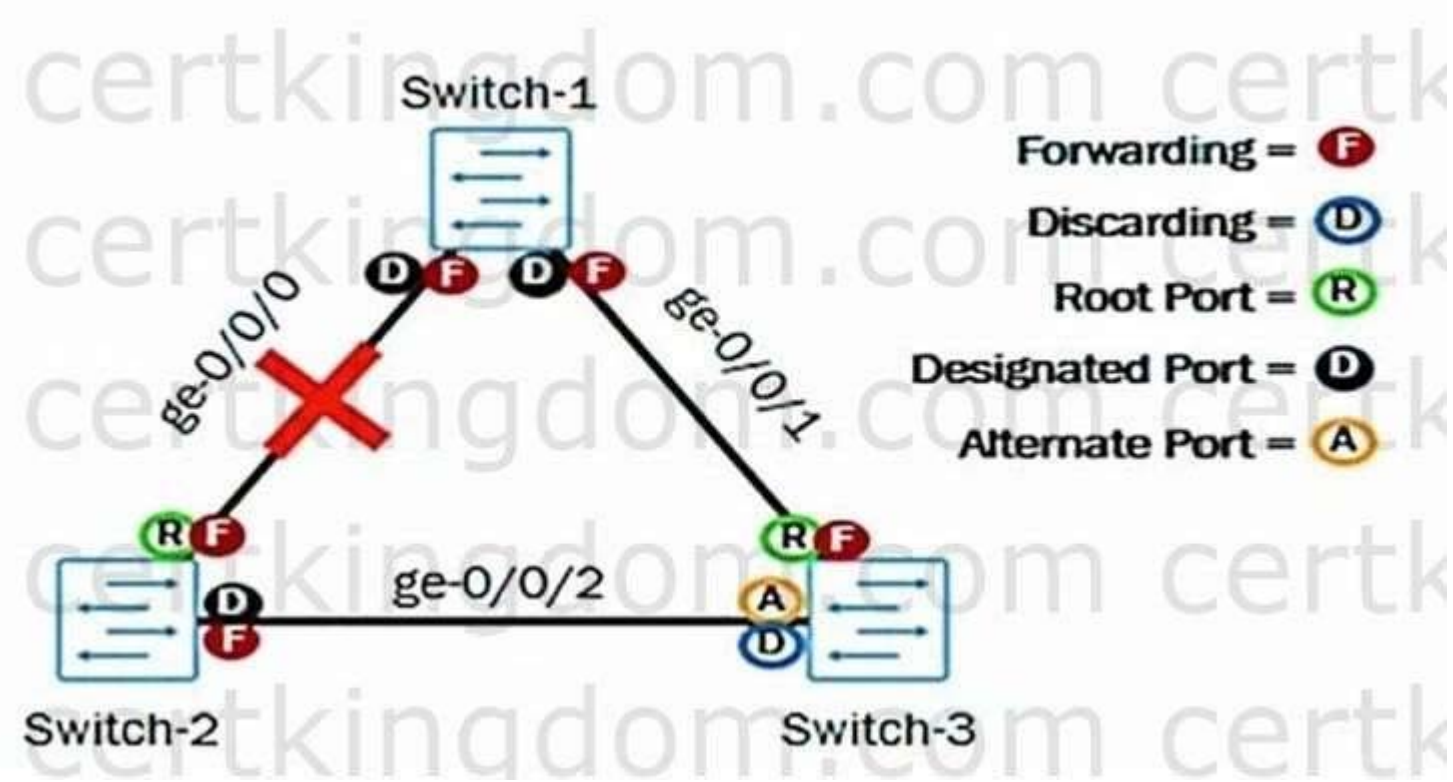
```
user@router> show route 11.0.0/24
inet.0: 128 destinations, 173 routes (128 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

11.0.0.102/32      *[IS-IS/18] 3w0d 01:23:29, metric 15
                     to 11.101.102.2 via ge-0/0/5.0
                    > to 11.111.112.2 via ge-0/0/6.0
11.0.0.108/32      *[IS-IS/18] 3w0d 01:23:29, metric 65
                    > to 11.101.102.2 via ge-0/0/5.0
                      to 11.111.112.2 via ge-0/0/6.0
11.0.0.109/32      *[IS-IS/18] 3w0d 01:23:19, metric 75
                    > to 11.101.102.2 via ge-0/0/5.0
                      to 11.111.112.2 via ge-0/0/6.0
11.0.0.199/32      *[IS-IS/18] 3w0d 01:23:16, metric 65545
                    > to 11.101.105.2 via ge-0/1/1.0

user@router> show route forwarding-table
Routing table: default.inet
Internet:
Destination        Type RtRef Next hop           Type Index    NhRef Ne
11.0.0.102/32      user     1                    ulst  1048588    16
                            11.111.112.2         ucst      699     6 ge
0/0/6.0
11.0.0.108/32      user     0                    ulst  1048588    16
                            11.101.102.2         ucst      698     6 ge
0/0/5.0
                            11.111.112.2         ucst      699     6 ge
0/0/6.0
11.0.0.109/32      user     0                    ulst  1048588    16
                            11.101.102.2         ucst      698     6 ge
0/0/5.0
```

Referring to the output shown in the exhibit, which statement is correct?

A. 11.0.0.108/32 is being per-flow load-balanced
B. 11.0.0.102/32 is being per-packet load-balanced
C. 11.0.0.102/32 is being per-flow load-balanced
D. 11.0.0.108/32 is being per-packet load-balanced

Correct Answer: D

QUESTION 59
Click the Exhibit button.

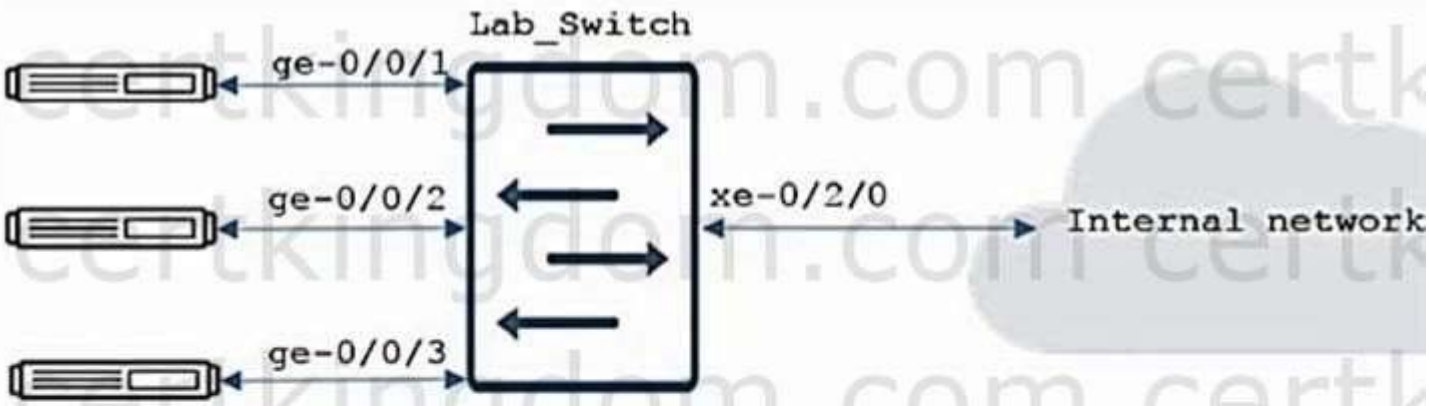


You manage the Layer 2 network shown in the exhibit. You experience a failure on the ge-0/0/0 link between Switch-1 and Switch-2.
Which statement is correct about the expected behavior?

A. Switch-2 will remove itself from the RSTP topology
B. Switch-2's ge-0/0/2 port role and state will transition to root and forwarding
C. Switch-2 will become the root bridge for a separate RSTP topology
D. Switch-2's ge-0/0/2 port role and state will remain as designated and forwarding

Correct Answer: B

QUESTION 60
Click the Exhibit button.



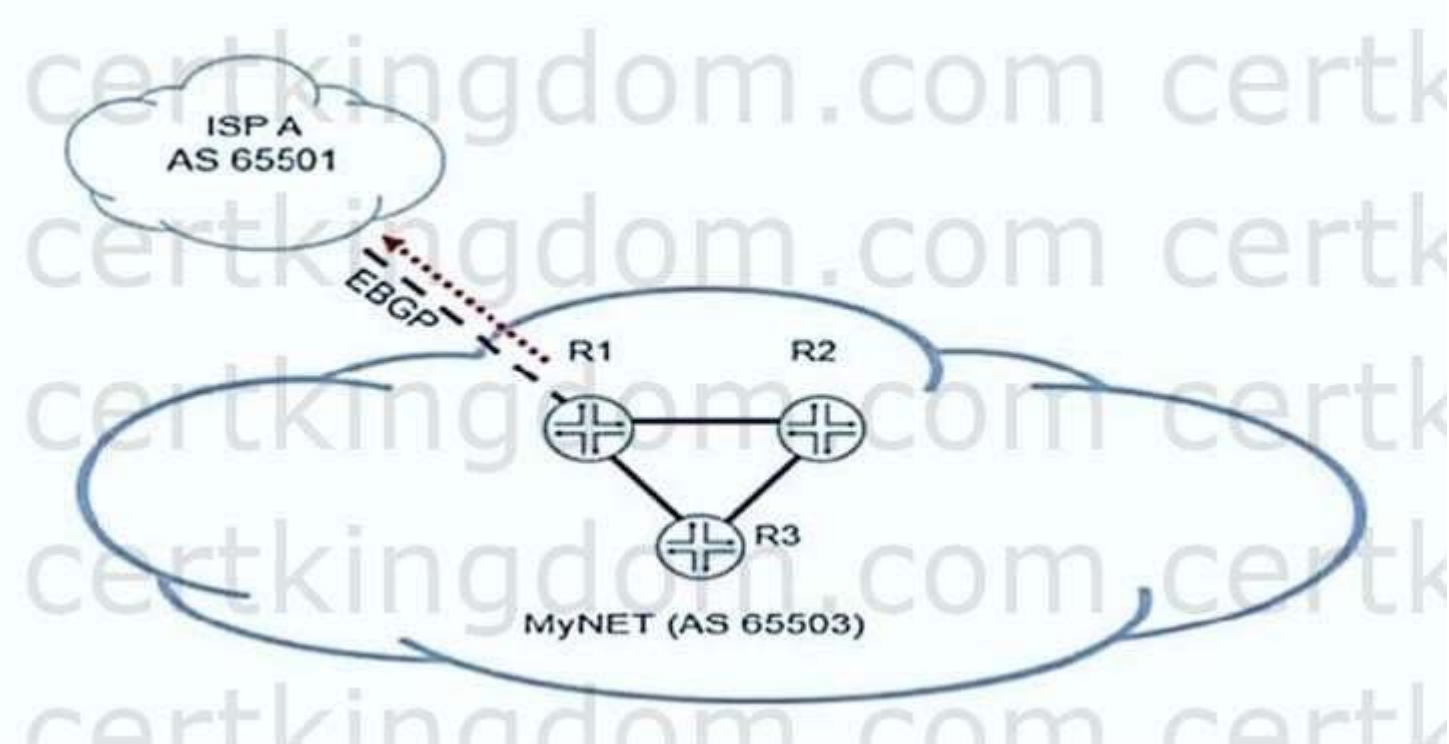

```
user@Lab_Switch> show spanning-tree interface
Spanning-tree is not enabled at global level.

user@Lab_Switch> show interfaces descriptions
Interface       Admin Link Description
ge-0/0/1        up    up Lab Port 1
ge-0/0/2        up    up Lab Port 2
ge-0/0/3        up    up Lab Port 3
xe-0/2/0        up    up internal network
```

You want to prevent rogue BPDUs from lab devices reaching the internal through the Lab_Switch device. Referring to the exhibit, what should be done to accomplish this task?

A. Configure the three lab ports as edge ports
B. Configure an input filter on interface xe-0/2/0 to discard the RSTP packets
C. Configure the three lab ports under the protocols layer2-control bpdu-block hierarchy on the switch
D. Configure protocols rstp with the bpdu-block-on-edge parameter for interface xe-0/2/0

Correct Answer: C

QUESTION 61
Click the Exhibit button.



Referring to the exhibit, which two statements about BGP prefixes advertised by R1 to AS 65501 are true? (Choose two.)

A. R1 will modify the originator ID attribute in prefixes advertised to AS 65501
B. R1 will modify the AS path attribute in prefixes advertised to AS 65501
C. R1 will modify the next-hop attribute in prefixes advertised to AS 65501
D. R1 will modify the cluster list attribute in prefixes advertised to AS 65501

Correct Answer: AC

QUESTION 62
Which two statements about DHCP snooping are correct? (Choose two.)

A. DHCP snooping inspects all DHCP packets on untrusted ports.
B. By default, the Junos OS treats access ports as trusted and trunk ports as untrusted.
C. DHCP snooping uses ARP to add statically defined IP addresses to its database.
D. The DHCP database maps IP addresses, MAC addresses, and the associated VLAN.

Correct Answer: AD

QUESTION 63
Which statement is They are stateless and evaluated by the control plane true about Layer 2 firewall filters on EX Series switches?

A. They are stateful and evaluated by the forwarding plane.
B. They are stateless and evaluated by the control plane.
C. They are stateful and evaluated by the control plane.
D. They are stateless and evaluated by the forwarding plane.

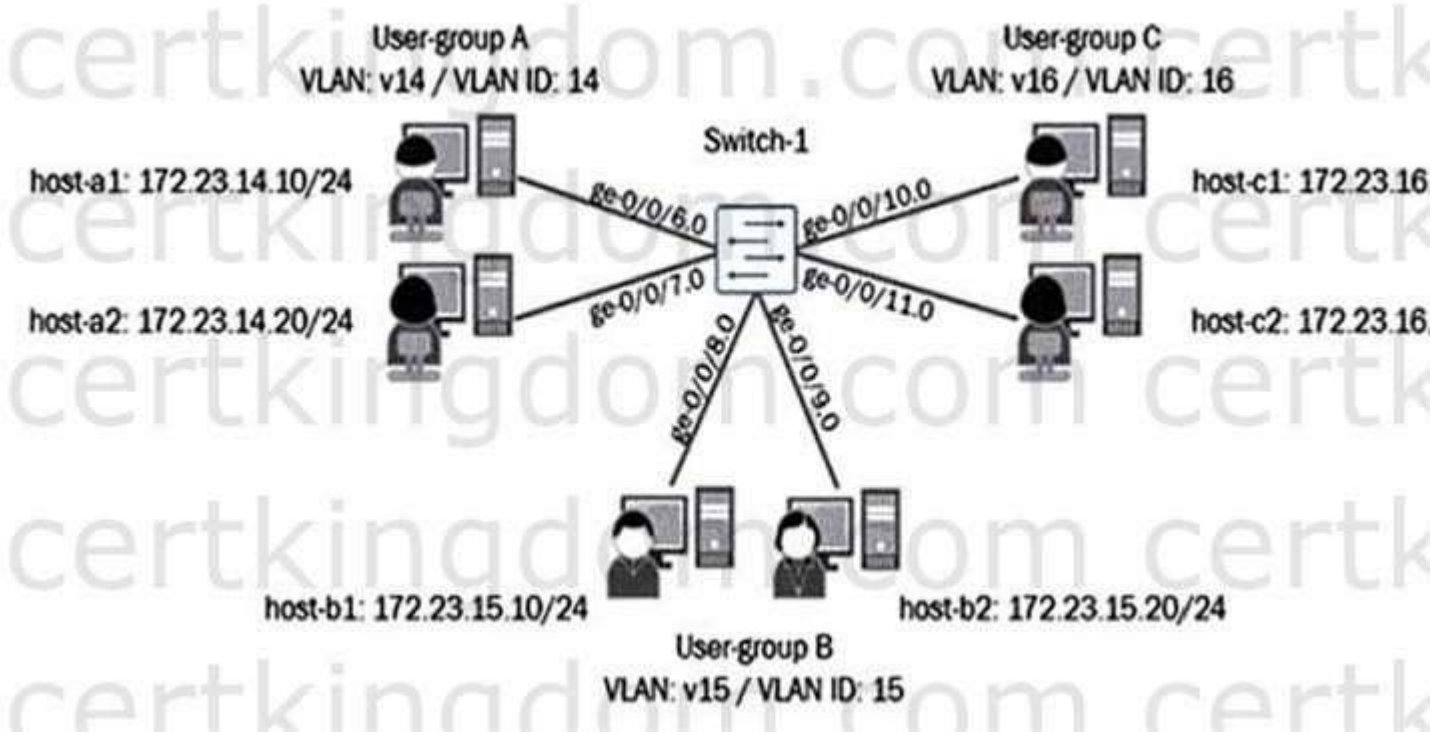
Correct Answer: D

QUESTION 64
Which OSPF packet type is sent when an OSPF router detects its database is stale?

A. database description
B. link-state acknowledgment
C. link-state request
D. hello

Correct Answer: C

QUESTION 65
Click the Exhibit button.



Referring to the exhibit, all users connected to the same VLAN can communicate with each other, but not with users on other VLANs in this network.
What must be configured to enable communication between the VLANs?

A. The switch ports to which the users are connected should be configured as trunk ports.
B. A separate routing device is required to forward traffic between the configured VLANs.
C. A logical IRB interface must be created and assigned to each VLAN.
D. A single logical IRB interface must be created and assigned to all three VLANs.

Correct Answer: C

QUESTION 66
Click the Exhibit button.

Referring to the exhibit, Router-1 and Router-2 are failing to form an IS-IS adjacency.
What should you do to solve the problem?

A. Remove the overloaded statement from Router-1.
B. Change the IP subnet masks to match on the ge-0/0/2 interfaces of both routers.
C. Change the ISO areas on the lo0 interfaces to match on both routers.
D. Remove the ISO address from ge-0/0/2 on Router-1.

Correct Answer: D

QUESTION 67
What are two interarea OSPF LSA types? (Choose two.)

A. Type 1 router LSAs
B. Type 3 summary LSAs
C. Type 4 ASBR summary LSAs
D. Type 2 network LSAs

Correct Answer: BC

QUESTION 68
You want to use filter-based forwarding (FBF) to forward traffic sourced from subnet 10.0.0.0/24 to a specific destination.
Which two routing instance types would enable you to accomplish this task? (Choose two.)

A. virtual switch
B. virtual routing and forwarding

C. virtual router
D. forwarding

Correct Answer: CD

QUESTION 69
Which statement is true about IP-IP tunnels?

A. The time-to-live value of the original packet is decremented.
B. IP-IP tunnels are protocol agnostic.
C. The packet is encapsulated unchanged before entering the tunnel.
D. The packet header is replaced before entering the tunnel.

Correct Answer: B

QUESTION 70
When electing a DIS in an IS-IS network, what is used to break a priority tie?

A. highest MAC address
B. highest router ID
C. lowest MAC address
D. lowest router ID

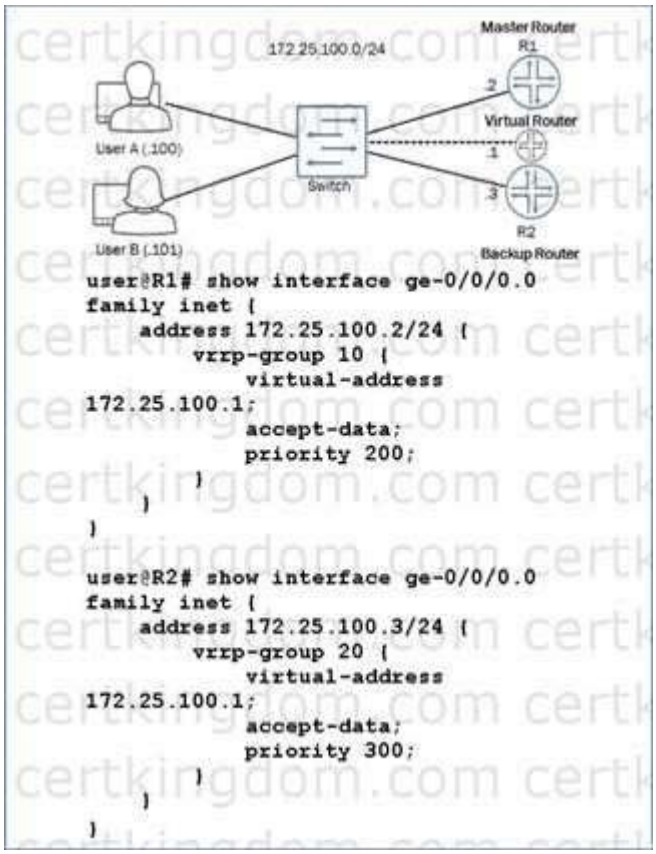
Correct Answer: A

QUESTION 71
Which two statements are true about high availability on Junos devices? (Choose two.)

A. BFD is faster at detecting failures than default GRE or OSPF timers.
B. BFD is slower at detecting failures than default GRE or OSPF timers.
C. NSR is dependent on helper routers to assist the routing platform in restoring routing protocol information.
D. NSR is independent on helper routers to assist the routing platform in restoring routing protocol information.

Correct Answer: AD

QUESTION 72
Click the Exhibit button.

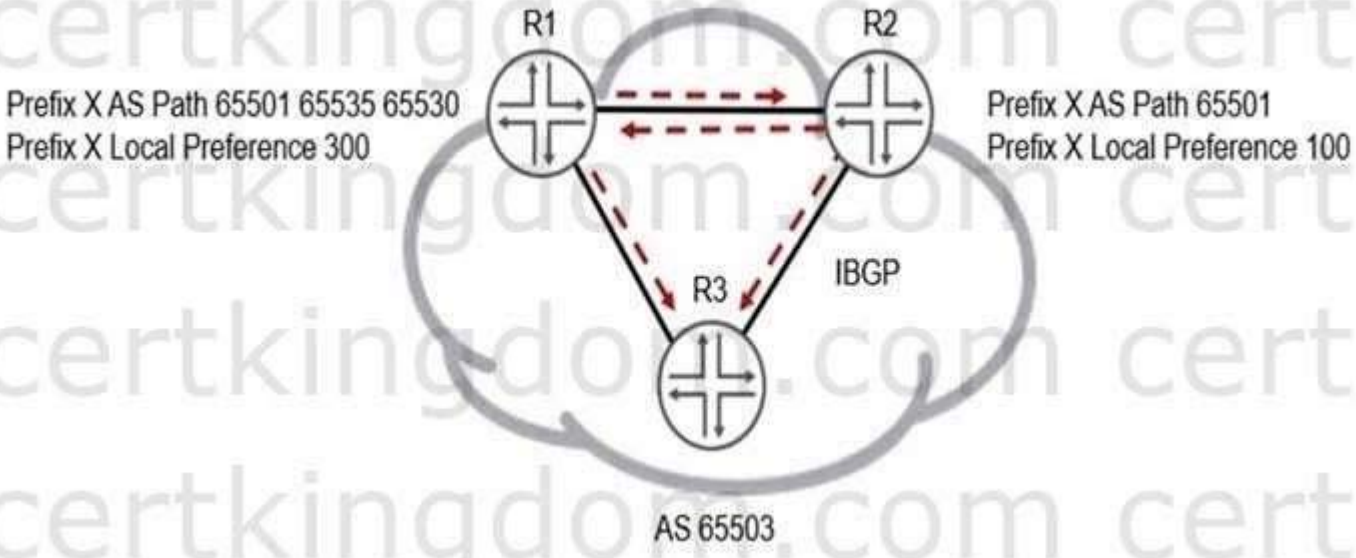


You are attempting to set up VRRP with R1 and R2 being participating members. You want R1 to be the master router and R2 to be the backup router with the virtual router they create being at address 172.25.100.1. The virtual router is not pinging from either User A or User B. Referring to the exhibit, what must be done to correct the problem?

A. A VRRP policy is needed on R1 and R2.
B. The VRRP group value on R1 and R2 must match.
C. The VRRP priority value on R1 and R2 must match.
D. A VRRP authentication type value is needed on R1 and R2.

Correct Answer: B

QUESTION 73
Click the Exhibit button.



Both the R1 and R2 devices are advertising prefix X into AS 65530 with the BGP attributes shown in the exhibit.
Which statement is correct in this scenario?

A. R2's version of prefix X will be active because of the local preference attribute.
B. R1's version of prefix X will be active because of the local preference attribute.
C. R1's version of prefix X will be active because of the AS path attribute.
D. R2's version of prefix X will be active because of the AS path attribute.

Correct Answer: D

QUESTION 74
Click the Exhibit button.

```
[edit protocols bgp]
user@router# show
preference 150;
keep all;
mtu-discovery;
export static-1;
remove-private;
tcp-mss 4096;
group one {
    export static-2;
    peer-as 2;
    neighbor 10.1.0.1 {
        export static-3;
    }
}
group two {
    type internal;
    local-address 192.168.1.11;
    export static-4;
    local-as 1;
    neighbor 192.168.1.12;
    neighbor 192.168.1.13
}
```

Referring to the exhibit, which policy will export routes to IBGP peers?

A. static-3
B. static-4
C. static-1
D. static-2

Correct Answer: B

QUESTION 75
Click the Exhibit button.

```
[edit routing-options]
user@host# show
static {
    defaults {
        preference 180;
    }
    route 0.0.0.0/0 {
        next-hop 172.30.25.1;
        qualified-next-hop 172.30.25.5 {
            preference 7;
        }
    }
}
```

Which statement is true about the configuration shown in the exhibit?

A. The preference for the 172.30.25.1 next hop is 5.
B. The preferred next hop is 172.30.25.5.
C. The preference for the 172.30.25.1 next hop is 7.
D. 172.30.25.1 is the preferred next hop.

Correct Answer: B

QUESTION 76
Click the Exhibit button

```
[edit protocols rstp]
user@switch# show
bridge-priority 8k;
interface ge-0/0/10 {
    disable;
}
interface ge-0/0/13 {
    cost 20000;
    mode point-to-point;
}
```

Referring to the exhibit, which two statements are correct? (Choose two.)

A. The ge-0/0/10 interface will not participate in the RSTP topology.
B. The ge-0/0/13 interface will be selected as the forwarding interface.
C. This device must be selected as the root bridge.
D. The ge-0/0/10 interface will be part of the RSTP topology but will block incoming BPDUs.

Correct Answer: AB

QUESTION 77
Which two statements are true about an EX2300 device? (Choose two.)

A. By default, trunk ports can carry untagged traffic.
B. By default, all switch ports are trunk ports.
C. By default, all switch ports are access ports.
D. By default, all switch ports are associated with the default VLAN.

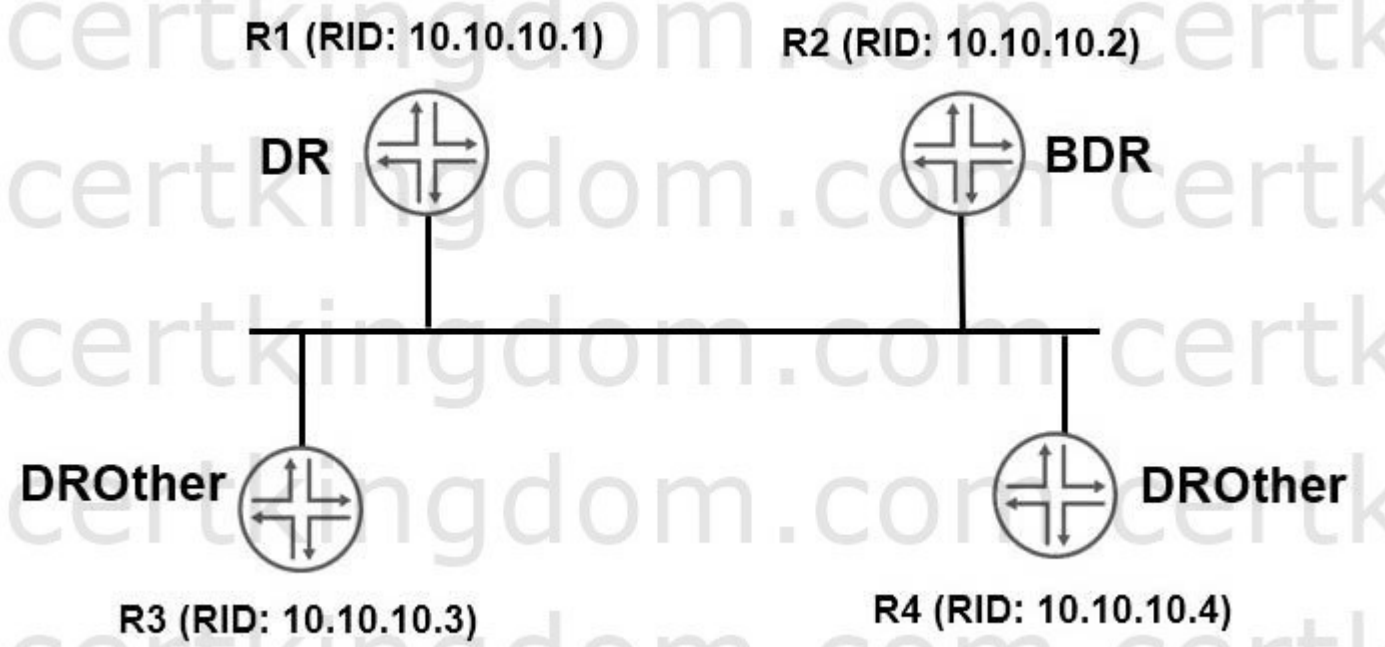
Correct Answer: CD

QUESTION 78
An EBGP session sources its TCP connection from which IP address?

A. The IP address assigned as the router ID.
B. The IP address of the preferred address assigned to the loopback interface.
C. The IP address of the primary address assigned to the loopback interface.
D. The IP address of the interface that connects the two BGP speakers.

Correct Answer: D

QUESTION 79
Click the Exhibit button.



You have configured OSPF routing as shown in the exhibit. You notice that all interfaces have formed full adjacencies, with the exception of the interfaces connecting R3 and R4 with a status of 2Way.
What is the reason for this status?

A. The two routers must both be configured as DR routers.
B. DROther routers will not form a full adjacency with each other.
C. The two routers must be configured in different areas.
D. The interface-type is not configured as p2p.

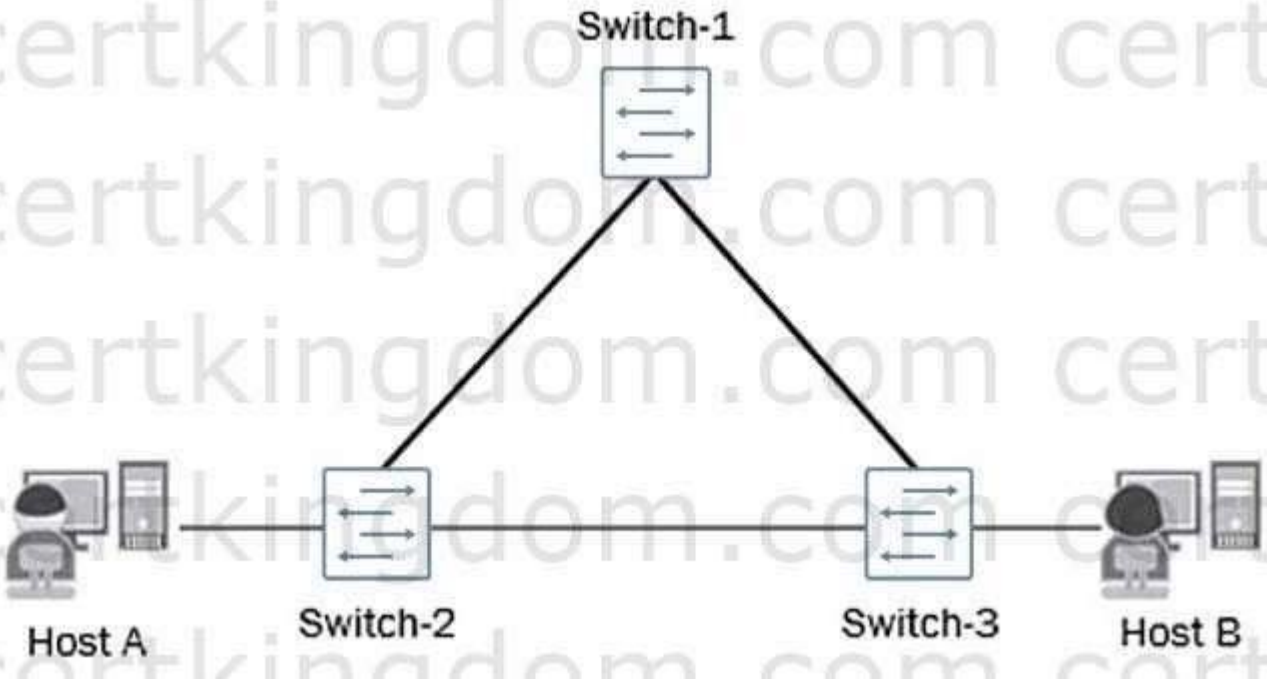
Correct Answer: B

QUESTION 80
How many bytes of overhead forms an IP-IP tunnel add to a packet?

A. 20 bytes
B. 24 bytes
C. 28 bytes
D. 14 bytes

Correct Answer: A

QUESTION 81
Click the Exhibit button.



A number of reports from end users indicate that internal and external communications are intermittent and not reliable. You verified the status of the switch ports and have determined that they are up and operational. You also noticed a very high level of link bandwidth utilization on those same ports. The current topology of the affected environment is shown in the exhibit.
What would be the cause of the reported issues?

A. A misconfigured interior gateway protocol (IGP).
B. A lack of a loop-prevention mechanism or protocol.
C. A lack of port-based ACLs filtering the traffic flows.
D. A malformed route-based ACL improperly filtering traffic flows.

Correct Answer: B

QUESTION 82
Click the Exhibit button.

```
[edit protocols isis]
user@router# show
traceoptions {
    file isis-ts.log;
    flag all detail;
}
level 2 disable;
level 1 wide-metrics-only;
interface all;

[edit protocols isis]
user@router# top show interfaces lo0
unit 0 {
    family inet {
        address 10.10.100.1/32;
    }
    family iso {
        address 49.0001.0010.0100.0001.00;
    }
}

[edit protocols isis]
user@router# run show log isis-ts.log
Mar  5 18:05:43.986944 Received L1 LAN IIH, source id vr-device-P-1 on ge-
0/0/0.0
Mar  5 18:05:43.986963     intf index 332, snpa 52:54:0:8c:b1:1a
Mar  5 18:05:43.986967     max area 0, circuit type 11, packet length 48
Mar  5 18:05:43.986971     hold time 27, priority 64, circuit id vr-device-P
1.00
Mar  5 18:05:43.986975     speaks IP
Mar  5 18:05:43.986978     speaks IPV6
Mar  5 18:05:43.986987     IP address 172.16.1.1
Mar  5 18:05:43.986995     area address 49.0002 (3 bytes)
Mar  5 18:05:43.986998     restart flags []
Mar  5 18:05:43.987003 ERROR: IIH from vr-device-P-1 with no matching areas,
interface ge-0/0/0.0
Mar  5 18:05:43.987006     local area  49.0001
Mar  5 18:05:43.987009     area address 49.0002 (3 bytes)
Mar  5 18:05:44.636984 ISIS L1 periodic xmit to 01:80:c2:00:00:14 interface
ge-0/0/0.0
Mar  5 18:05:51.443766 ISIS L1 periodic xmit to 01:80:c2:00:00:14 interface
ge-0/0/0.0
Mar  5 18:05:51.618613 Received L1 LAN IIH, source id vr-device-P-1 on ge-
0/0/0.0
Mar  5 18:05:51.618635     intf index 332, snpa 52:54:0:8c:b1:1a
Mar  5 18:05:51.618639     max area 0, circuit type 11, packet length 48
Mar  5 18:05:51.618643     hold time 27, priority 64, circuit id vr-device-P
```

Referring to the exhibit, the local router should have an IS-IS adjacency with a neighboring router, but the adjacency never establishes correctly.
What should you do to solve the problem?

A. Disable level 2 for the interfaces.
B. Disable level 1 for the interfaces.
C. Disable wide metrics.
D. Change the local IS-IS area ID to 49.0002.

Correct Answer: D

QUESTION 83
Which statement about configuring persistent MAC learning is correct?

A. Persistent MAC learning requires 802.1X authentication.
B. Persistent MAC learning can be configured on access mode interfaces.
C. Persistent MAC learning flushes dynamically learned MAC addresses on reboots.
D. Persistent MAC learning cannot be configured on redundant trunk groups.

Correct Answer: B

QUESTION 84
Which two statements describe NSR? (Choose two.)

A. NSR requires GRES to function properly.
B. NSR provides routing loop protection.
C. NSR rapidly detects link failures.

D. NSR provides high availability with multiple Routing Engines.

Correct Answer: AD

QUESTION 85
You must implement filter-based forwarding. You need to direct traffic from the 192.168.1.0/24 through vr1 and traffic from 10.210.0.128/26 through vr2.
Which configuration is correct in this scenario?

A.

```
firewall {
    family inet {
        filter fbf-filter1 {
            term match-192-subnet {
                from {
                    source-address {
                        192.168.1.0/26;
                    }
                }
                then {
                    routing-instance vr2;
                }
            }
            term match-10-subnet {
                from {
                    source-address {
                        10.210.0.128/26;
                    }
                }
                then {
                    routing-instance vr1;
                }
            }
        }
    }
```

B.

```
firewall {
    family inet {
        filter fbf-filter1 {
            term match-192-subnet {
                from {
                    source-address {
                        192.168.0.0/24;
                    }
                }
                then {
                    routing-instance vr1;
                }
            }
            term match-10-subnet {
                from {
                    source-address {
                        10.210.0.128/27;
                    }
                }
                then {
                    routing-instance vr2;
                }
            }
        }
    }
}
```

C.

```
firewall {
    family inet {
        filter fbf-filter1 {
            term match-192-subnet {
                from {
                    source-address {
                        192.168.2.0/26;
                    }
                }
                then {
                    routing-instance vr2;
                }
            }
            term match-10-subnet {
                from {
                    source-address {
                        10.210.1.128/26;
                    }
                }
                then {
                    routing-instance vr1;
                }
            }
        }
    }
}
```

D.

```
firewall {
    family inet {
        filter fof-filter1 {
            term match-192-subnet {
                from {
                    source-address {
                        192.168.1.0/24;
                    }
                }
                then {
                    routing-instance vr1;
                }
            }
            term match-10-subnet {
                from {
                    source-address {
                        10.210.0.128/26;
                    }
                }
                then {
                    routing-instance vr2;
                }
            }
        }
    }
}
```

Correct Answer: D

QUESTION 86
Click the Exhibit button.

```
{master:0}
user@switch> show spanning-tree interface

Spanning tree interface parameters for instance 0

Interface    Port ID    Designated      Designated          Port    State  Role
                         port ID         bridge ID           Cost
ge-0/0/8.0     128:521      128:521   8192.50c58daedb41       200  FWD    DESG
ge-0/0/9.0      64:522       64:522   8192.50c58daedb41      2000  FWD    DESG
ge-0/0/14.0    240:527      240:527   8192.50c58daedb41     20000  FWD    DESG
ge-0/0/15.0    128:528      128:528   8192.50c58daedb41    200000  FWD    DESG
```

Based on the output shown in the exhibit, which statement is correct?

A. The ge-0/0/9 interface is using the default priority value.
B. This switch has a bridge priority of 8k.
C. This switch is currently blocking all traffic.
D. The ge-0/0/15 interface is using the default port cost.

Correct Answer: B

QUESTION 87
Which mechanism is used to share routes between routing tables?

A. RIB groups
B. routing instances
C. forwarding instances
D. filter-based forwarding

Correct Answer: A

QUESTION 88
What are three well-known mandatory BGP attributes? (Choose three.)

A. community
B. AS path
C. local preference
D. origin
E. next hop

Correct Answer: BDE

QUESTION 89
Click the Exhibit button.

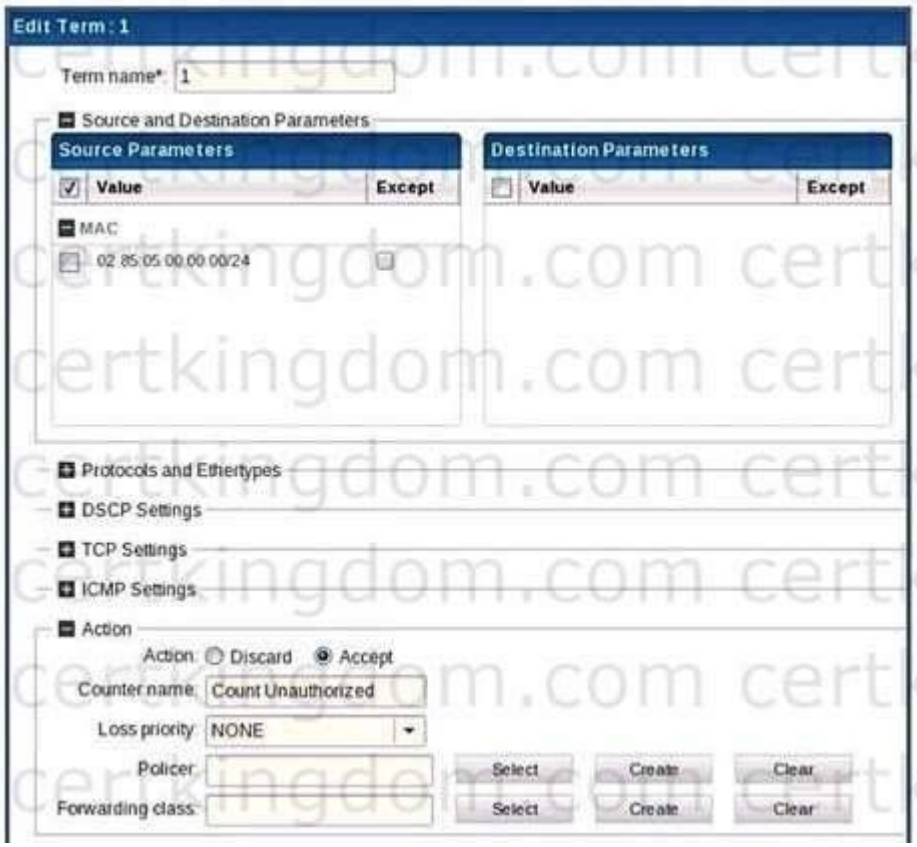
```
[edit protocols isis]
user@router-1# show
level 2 disable;
level 1 wide-metrics-only;
interface all;

[edit protocols isis]
user@router-2# show
level 1 disable;
interface all;
```

Referring to the exhibit, what will be the IS-IS adjacency result of the configurations?

A. No IS-IS adjacencies will form.
B. A level 1 and level 2 IS-IS adjacency will form.
C. A level 2 IS-IS adjacency will form.
D. A level 1 IS-IS adjacency will form.

Correct Answer: A

QUESTION 90
Click the Exhibit button.



Your switches are managed using Junos Space Network Director. You want to secure the switches using a Network Director filter profile. A filter profile containing one term shown in the exhibit is deployed to ports on managed devices.
Which traffic will be accepted by the filter?

A. All traffic will be accepted.
B. Traffic containing a source MAC of 02:85:05:00:00:00/24 will be accepted.
C. Traffic containing a destination MAC of 02:85:05:00:00:00/24 will be accepted.
D. No traffic will be accepted.

Correct Answer: B

QUESTION 91
Which two elements are used to create the STP bridge ID? (Choose two.)

A. the root port number
B. the bridge priority value
C. the system MAC address
D. the port cost

Correct Answer: BC

QUESTION 92
Click the Exhibit button.

```
user@host> show route hidden detail
inet.0: 25 destinations, 26 routes (24 active, 0 holddown, 1 hidden)
Restart Complete
127.0.0.1/32 (1 entry, 0 announced)
        Direct Preference: 0
               Next hop type: Interface
               Next-hop reference count: 1
               Next hop: via lo0.0, selected
               State: <Hidden Martian Int>
               Local AS:     1
               Age: 4:27:37
               Task: IF
               AS path: I

private1__.inet.0: 2 destinations, 3 routes (2 active, 0 holddown, 0

red.inet.0: 6 destinations, 8 routes (4 active, 0 holddown, 3 hidden
Restart Complete

10.5.5.5/32 (1 entry, 0 announced)
         BGP    Preference: 170/-101
                Route Distinguisher: 10.4.4.4:4
                Next hop type: Unusable
                Next-hop reference count: 6
                State: <Secondary Hidden Int Ext>
                Local AS:     1 Peer AS:     1
                Age: 3:45:09
                Task: BGP_1.10.4.4.4+2493
                AS path: 100 I
                Communities: target:1:999
                VPN Label: 100064
                Localpref: 100
                Router ID: 10.4.4.4
                Primary Routing Table bgp.l3vpn.0
```

Referring to the exhibit, why is the route for 10.5.5.5 hidden?

A. It is a martian route.
B. It has an invalid community.
C. It is an L3VPN route.
D. The next hop cannot be resolved.

Correct Answer: D