Number: JN0-649
Passing Score: 800
Time Limit: 120
File Version: 3.0

Exam Code: JN0-649

Exam A

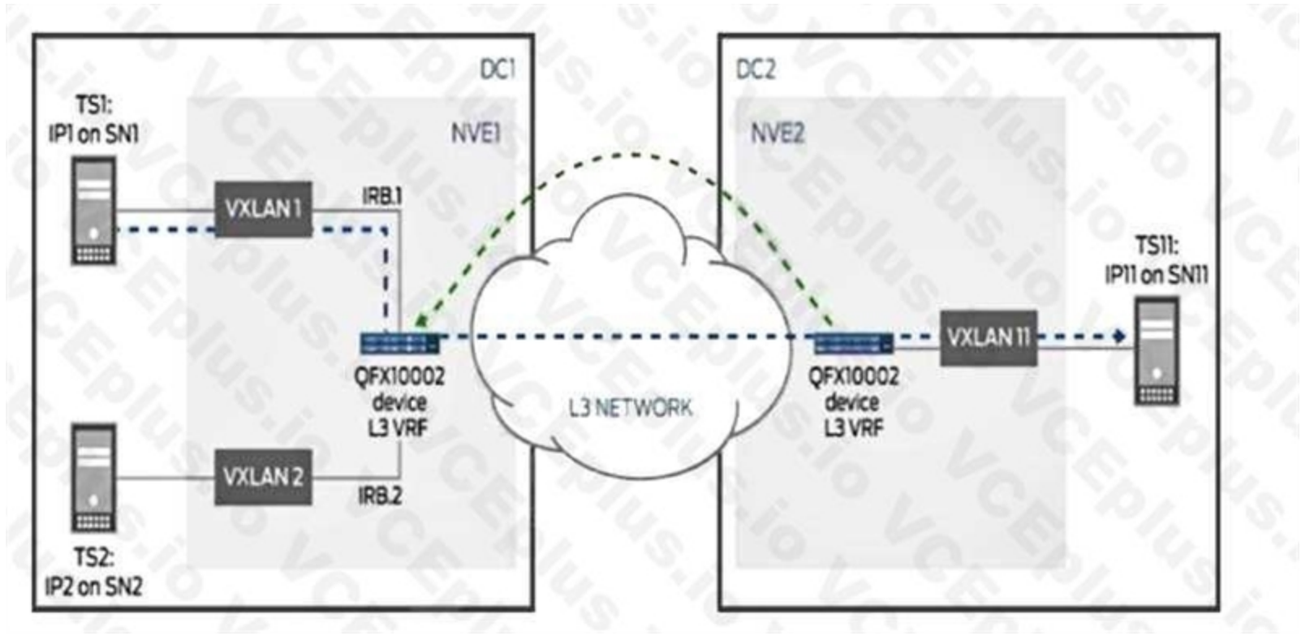
QUESTION 1
Referring to the exhibit, which statement is correct?

```
user@router> show route protocol bgp
inet.0: 562 destinations, 565 routes (558 active, 0 holddown, 5 hidden)
+ = Active Route, - = Last Active, * = Both
203.0.113.0/24          *[BGP/170] 1w3d 05:14:15, localpref 100, from 192.168.10.36
                        AS path: I, validation-state: unverified
                      > to 10.23.23.2 via ae8.0
                        to 10.1.23.2 via ae7.0
                      *[BGP/170] 1w3d 05:14:15, localpref 100, from 192.168.10.36
                        AS path: I, validation-state: unverified
                      > to 10.23.23.2 via ae8.0
...
```

A. The route is learned from a multihop BGP session.
B. The route is learned from only one neighbor.
C. The route is learned from a multipath BGP session.
D. The route is learned from three different neighbors.

Correct Answer: B
Section:

QUESTION 2
The connection between DC1 and DC2 is routed as shown in the exhibit.
In this scenario, which statement is correct?



A. The border devices must be able to perform Layer 3 routing and provide IRB functionality.
B. L3VPN must be enabled to advertise reachability.
C. An IP prefix route provides encoding for intra-subnet forwarding.
D. Type 2 and Type 5 routes will be exchanged between DC1 and DC2.

Correct Answer: A
Section:

QUESTION 3
BGP multipath or multihop are not configured in your network.
In this scenario, what is the correct sequence for BGP active route selection?

A. higher local preference
shortest AS path
lowest peer address
lowest router ID
lower origin code
B. higher local preference
shortest AS path
lower origin code
lowest router ID
lowest peer address
C. higher local preference
lowest router ID
lowest peer address
lower origin code
shortest AS path
D. higher local preference

shortest AS path
lowest router ID
lowest peer address
lower origin code

Correct Answer: D
Section:

QUESTION 4
You enable the Multiple VLAN Registration Protocol (MVRP) to automate the creation and management of virtual LANs.
Which statement is correct in this scenario?

A. The forbidden mode does not register or declare VLANs.
B. When enabled, MVRP affects all interfaces.
C. Timers dictate when link state changes are propagated.
D. MVRP works with RSTP and VSTP.

Correct Answer: B
Section:

QUESTION 5
Which address range is used for source-specific multicast?

A. 239.0.0.0/8
B. 233.0.0.0/8
C. 232.0.0.0/8
D. 224.2.0.0/16

Correct Answer: C
Section:

QUESTION 6
Which three configuration parameters must match on all switches within the same MSTP region?
(Choose three.)

A. VLAN to instance mapping
B. revision level
C. configuration name
D. bridge priority
E. region name

Correct Answer: B, C, E
Section:

QUESTION 7
Which two statements are correct about the deployment of EVPN-VXLAN on QFX Series devices?
(Choose two.)

A. Type 1 route advertisements always have the single-active flag set to 1.
B. Junos OS supports underlay replication for BUM traffic forwarding.
C. Junos OS supports ingress replication for BUM traffic forwarding.
D. Type 1 route advertisements always have the single-active flag set to 0.

Correct Answer: B, C
Section:

QUESTION 8
Your enterprise network is running BGP VPNs to support multitenancy. Some of the devices with which you peer BGP do not support the VPN NLRI. You must ensure that you do not send BGP VPN routes to the remote peer.
Which two configuration steps will satisfy this requirement? (Choose two.)

A. Configure an import policy on the remote peer to reject the routes when they are received.
B. Configure an export policy on the local BGP peer to reject the VPN routes being sent to the remote peer.
C. Configure a route reflector for the VPN NLRI.
D. Configure the apply-vpn-export feature on the local BGP peer.

Correct Answer: B, D
Section:

QUESTION 9
You want to create an OSPF area that only contains intra-area route information in the form of Type 1 and Type 2 LSAs.
In this scenario, which area is needed to accomplish this task?

A. totally non-to-stubby area
B. totally stubby area
C. stub area
D. non-to-stubby area

Correct Answer: B
Section:

QUESTION 10
You are implementing the route summarization feature of OSPF.
Which two results do you achieve in this scenario? (Choose two.)

A. It helps in migrating to future multi-area OSPF network designs.
B. It reduced the routing table size, enabling devices to store and process less information.
C. It reduces the impact of topology changes on a device.
D. It provides optimal routing in the network.

Correct Answer: B, C
Section:

QUESTION 11
Your organization has recently acquired another company. You must carry all of the company's existing VLANs across the corporate backbone to the existing branch locations without changing addressing and with minimal configuration.

Which technology will accomplish this task?

A. Q-in-Q all-in-one bundling
B. PVLAN isolated VLAN
C. MVRP registration normal
D. EVPN-VXLAN anycast gateway

Correct Answer: A
Section:

QUESTION 12
Your enterprise network uses routing instances to support multitenancy. Your Junos devices use BGP to peer to multiple BGP devices. You must ensure that load balancing is achieved within the routing instance.
Which two statements would accomplish this task? (Choose two.)

A. Configure the multipath option at the [edit protocols bgp group <group-name> neighbor] hierarchy.
B. Configure the multipath option at the [edit protocols bgp group] hierarchy.
C. Configure a load-balance per-packet policy and apply it at the [edit routing-options forwardingtable] hierarchy.
D. Configure the multipath option at the [edit routing-instances <instance-name> routing-options] hierarchy.

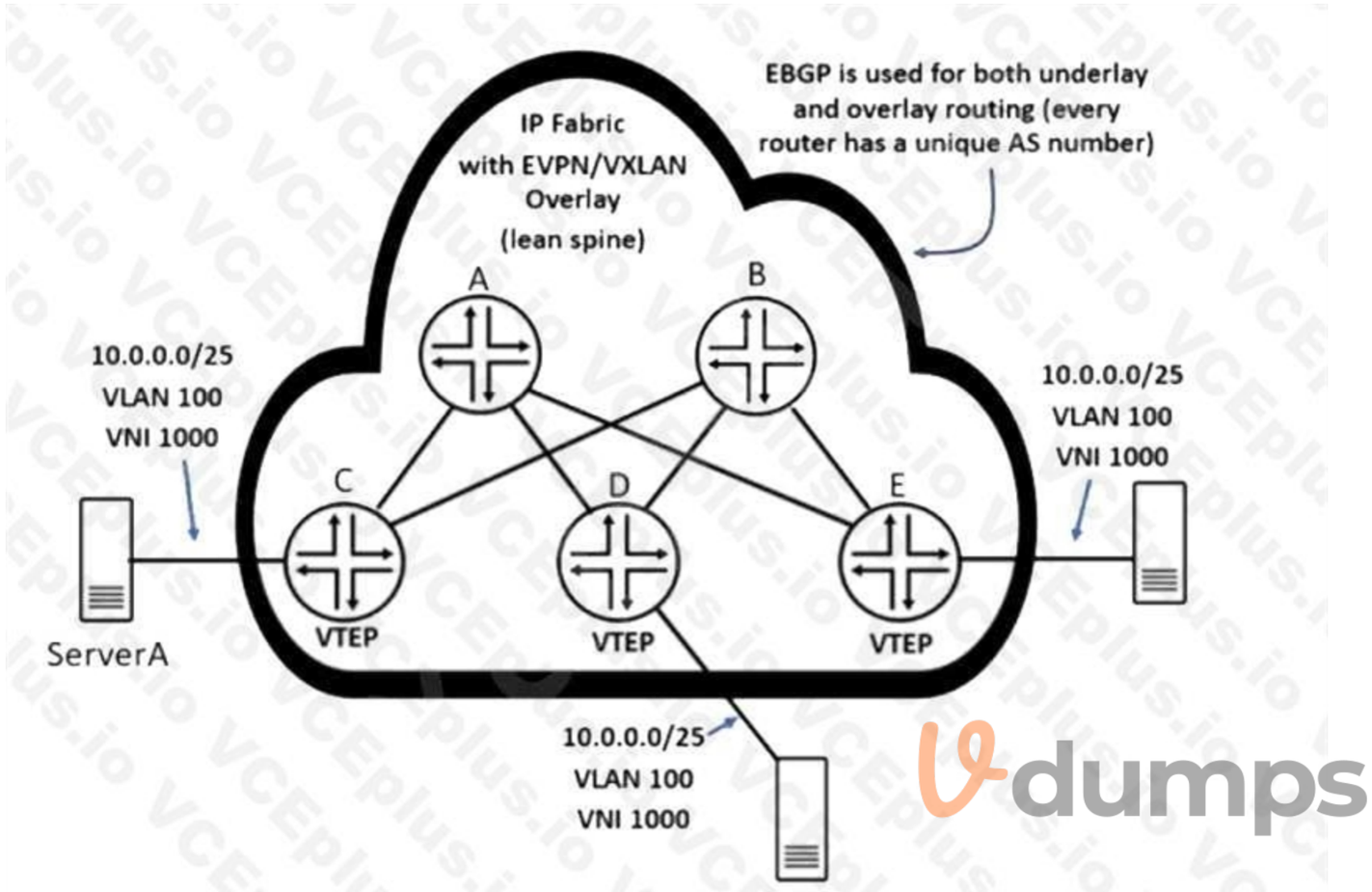
Correct Answer: B, D
Section:

QUESTION 13
You are asked to enforce user authentication using a captive portal before users access the corporate network.
Which statement is correct in this scenario?

A. HTTPS is the default protocol for a captive portal.
B. A captive portal can be bypassed using an allowlist command containing a device's IP address.
C. When enabled, a captive portal must be applied to each individual interface.
D. All Web browser requests are redirected to the captive portal until authentication is successful.

Correct Answer: D
Section:

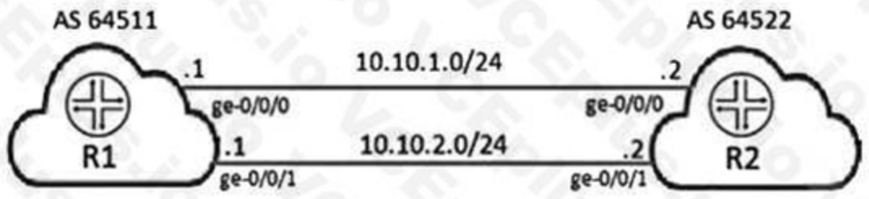
QUESTION 14
Referring to the exhibit, ServerA sends a single IP packet destined to 10.0.0.127.
Which two statements correctly describe the behavior of the resulting outbound VXLAN packets that contain the original packet destined to 10.0.0.127? (Choose two.)



A. Router E will replicate and send a copy of the received VXLAN packet to router D.
B. Router C will send a VXLAN packet destined only to router D and router E.
C. Router D will not replicate and send a copy of the received VXLAN packet to router E.
D. Router C will send a single VXLAN packet to one remote VTEP.

Correct Answer: A, D
Section:

QUESTION 15
A BGP network has been designed to provide resiliency and redundancy to a multihomed customer network.
Which two statements are correct in this scenario? (Choose two.)




```
user@R1# show protocols bgp group ext-peers
type external;
local-address 192.168.0.1;
peer-as 64522;
neighbor 172.16.255.2 {
    multihop {
        ttl 1;
    }
}

user@R1# show routing-options
autonomous-system 65411;
static {
   route 172.16.255.2/32 next-hop [ 10.10.1.2 10.10.2.2 ];
}
```

```
user@R1> show route 172.16.255.2/32 terse

inet.0: 14 destinations, 14 routes (14 active, 0 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both

A V Destination        P Prf   Metric 1   Metric 2  Next hop        AS path
* ? 172.16.255.2/32    S   5                      >10.10.1.2
                                                   10.10.2.2

user@R1> show route forwarding-table matching 172.16.255.2/32
Routing table: default.inet
Internet:
Destination        Type RtRef Next hop           Type Index    NhRef Netif
172.16.255.2/32    user     1 10.10.1.2          ucst      590     5 ge-0/0/0.0
```

A. Both the next hops will be used to forward traffic to R2.
B. A routing policy will be required to forward traffic to both next hops.
C. The TTL value of 1 is set to limit the scope of the EBGP session.
D. The ttl statement must be configured to accommodate peering to a loopback address of a directly connected peer.

Correct Answer: B, D
Section:

QUESTION 16
You are asked to troubleshoot voice quality issues on your newly implement VoIP network. You notice that the voice packets are being dropped. You have verified that the packets are correctly marked for expedited forwarding queue.
Referring to the exhibit, what must you configure to solve the problem?

```
[edit]
user@R1# show class-of-service
classifiers {
    dscp voip {
        import default;
    }
}
interfaces {
    ge-1/0/0 {
        unit 0 {
            classifiers {
                dscp voip;
            }
        }
    }
}
user@R1> show interfaces ge-1/0/0 extensive
Physical interface: ge-1/0/0, Enabled, Physical link is Up
  Interface index: 154, SNMP ifIndex: 527, Generation: 157
  Link-level type: Ethernet, MTU: 1514, MRU: 1522, LAN-PHY mode, Speed: 1000mbps, BPDU Error: None, Loop Detect PDU Error:
None,
  Ethernet-Switching Error: None, MAC-REWRITE Error: None, Loopback: Disabled, Source filtering: Disabled, Flow control:
Enabled,
  Auto-negotiation: Enabled, Remote fault: Online
  Pad to minimum frame size: Disabled
  Media type: Copper
  Device flags   : Present Running
  Interface flags: SNMP-Traps Internal: 0x4000
```

```
Auto-negotiation: Enabled, Remote fault: Online
Pad to minimum frame size: Disabled
Media type: Copper
Device flags   : Present Running
Interface flags: SNMP-Traps Internal: 0x4000
Link flags     : None
CoS queues     : 8 supported, 8 maximum usable queues
Schedulers     : 0
Hold-times     : Up 0 ms, Down 0 ms
Damping        : half-life: 0 sec, max-suppress: 0 sec, reuse: 0, suppress: 0, state: unsuppressed
Current address: 4c:96:14:93:9a:95, Hardware address: 4c:96:14:93:9a:95
Last flapped   : 2022-05-16 11:44:33 PDT (21:23:22 ago)
Statistics last cleared: Never
Traffic statistics:
 Input  bytes  :              894761                 0 bps
 Output bytes  :              681004               240 bps
 Input  packets:               13083                 0 pps
 Output packets:               11321                 0 pps
 IPv6 transit statistics:
 Input  bytes  :                   0
 Output bytes  :                   0
 Input  packets:                   0
 Output packets:                   0
Dropped traffic statistics due to STP State:
 Input  bytes  :                   0
 Output bytes  :                   0
 Input  packets:                   0
 Output packets:                   0
Input errors:
```

```
    Errors: 0, Drops: 0, Framing errors: 0, Runts: 0, Policed discards: 0, L3 incompletes: 0, L2 channel errors: 0, L2
mismatch timeouts: 0,
    FIFO errors: 0, Resource errors: 0
  Output errors:
    Carrier transitions: 1, Errors: 0, Drops: 0, Collisions: 0, Aged packets: 0, FIFO errors: 0, HS link CRC errors: 0,
MTU errors: 0,
    Resource errors: 0
  Egress queues: 8 supported, 4 in use
  Queue counters:       Queued packets  Transmitted packets      Dropped packets
    0                           430544                 8126              456123
    1                             4294                 1654                2817
    2                                0                    0                   0
    3                            11194                11194                   0
  Queue number:         Mapped forwarding classes
    0                   best-effort
    1                   expedited-forwarding
    2                   assured-forwarding
    3                   network-control
  Active alarms  : None
  Active defects : None
  PCS statistics                      Seconds
    Bit errors                              0
    Errored blocks                          0
  Ethernet FEC statistics              Errors
    FEC Corrected Errors                    0
```

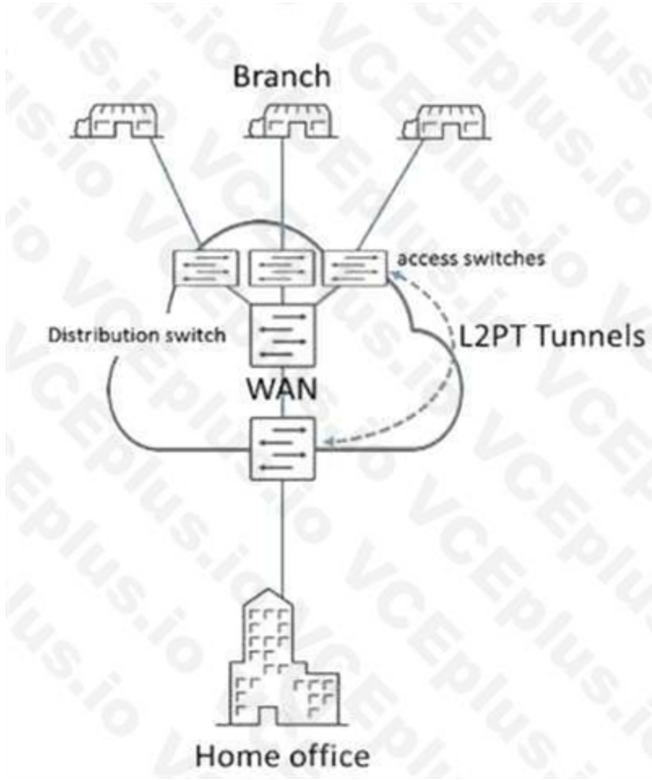
```
  FEC Uncorrected Errors                0
  FEC Corrected Errors Rate             0
  FEC Uncorrected Errors Rate           0
MAC statistics:                      Receive          Transmit
  Total octets                        947941            752356
  Total packets                        13084             11320
  Unicast packets                         92                93
  Broadcast packets                       37                34
  Multicast packets                    12955             11193
  CRC/Align errors                         0                 0
  FIFO errors                              0                 0
  MAC control frames                       0                 0
  MAC pause frames                         0                 0
  Oversized frames                         0
  Jabber frames                            0
  Fragment frames                          0
  VLAN tagged frames                       0
  Code violations                          0
  Total errors                             0                 0
Filter statistics:
  Input packet count                   13083
  Input packet rejects                     0
  Input DA rejects                         0
  Input SA rejects                         0
  Output packet count                              11320
  Output packet pad count                              0
  Output packet error count                            0
  CAM destination filters: 0, CAM source filters: 0
Autonegotiation information:
```

```
  Fragment frames                    0
  VLAN tagged frames                 0
  Code violations                    0
  Total errors                       0                  0
Filter statistics:
  Input packet count                 13083
  Input packet rejects               0
  Input DA rejects                   0
  Input SA rejects                   0
  Output packet count                                   11320
  Output packet pad count                               0
  Output packet error count                             0
  CAM destination filters: 0, CAM source filters: 0
Autonegotiation information:
  Negotiation status: Complete
  Link partner:
      Link mode: Full-duplex, Flow control: Symmetric/Asymmetric, Remote fault: OK
  Local resolution:
      Flow control: Symmetric, Remote fault: Link OK
Packet Forwarding Engine configuration:
  Destination slot: 0 (0x00)
CoS information:
  Direction : Output
  CoS transmit queue                 Bandwidth              Buffer Priority   Limit
                                     %          bps         %      usec
  0 best-effort                      95         950000000   95     0      low    none
  3 network-control                  5          50000000    5      0      low    none
Interface transmit statistics: Disabled
```

A. You must configure a multifield classifier to put the VoIP traffic in the correct queue.
B. You must configure a rewrite rule to ensure that the traffic is scheduled properly in the device.
C. You must configure a scheduler to allocate bandwidth to the expedited forwarding queue.
D. You must configure a policer to ensure that the queue is not being starved.

Correct Answer: C
Section:

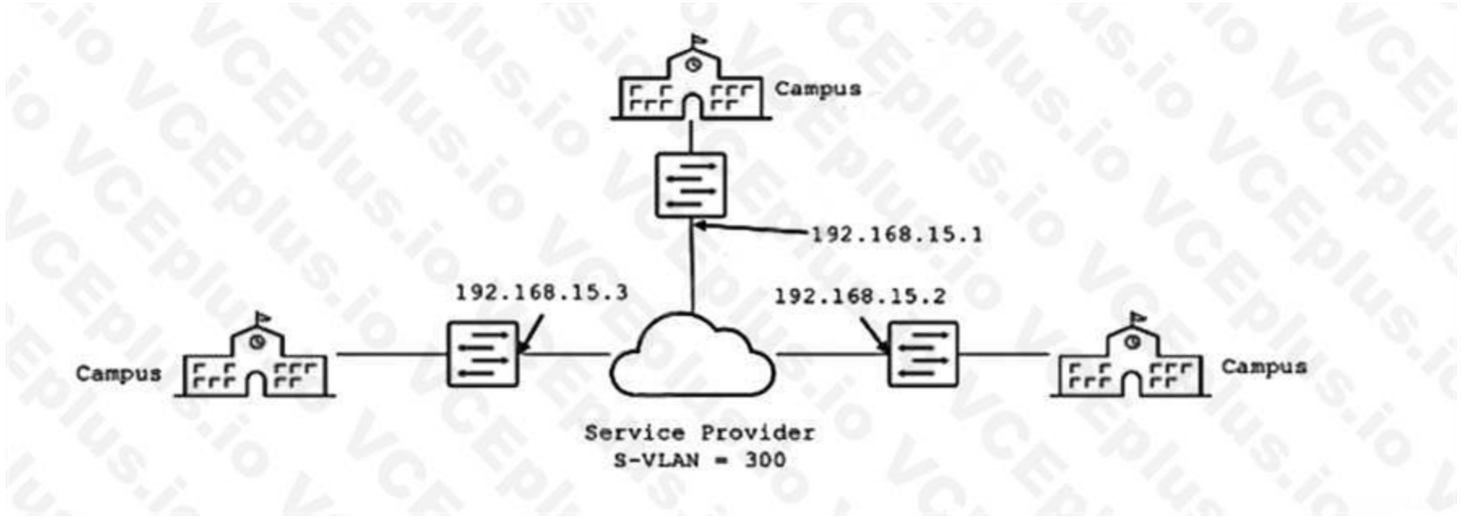
QUESTION 17
Remote branches connect to the corporate WAN through access switches. The access switches connect to access ports on the WAN distribution switch, as shown in the exhibit. L2PT has previously been configured on the tunnel Layer 2 traffic across the WAN. You decide to move the L2PT tunnel endpoints to the access switches. When you apply the L2PT configuration to the access switches, the ports that connect the access switches to the distribution switch shut down.
Which action would solve this problem?



A. Configure the links between the access switches and the distribution switch as a trunk port.
B. Disable the BPDU block function on the access switches.
C. Disable the BPDU block function on the distribution switch.
D. Configure a GRE tunnel to encapsulate the L2PT traffic across the WAN.

Correct Answer: A
Section:

QUESTION 18
You want to provide Layer 2 connectivity between campus sites using Ethernet switches through a metro Ethernet service provider who is using Q-in-Q tagging on their network.
Referring to the exhibit, what are two design considerations in this environment? (Choose two.)



A. VXLAN could be implemented on your network across this service provider network.
B. Each campus switch shown must have a C-Tag 300 configured.
C. L2PT is required on the SP network to support the spanning tree protocol.
D. Each campus switch shown must have S-Tag 300 configured.

Correct Answer: C, D
Section:

QUESTION 19
You must ensure that all routes in the 10.0.0/8 address range are not advertised outside of your AS.
Which well-known BGP community should be assigned to these addresses to accomplish this task?

A. no-export
B. no-peer
C. internet
D. no-advertise

Correct Answer: A
Section:

QUESTION 20
Which statement is correct about IS-IS?

A. IS-IS uses areas and an autonomous system.
B. Level 1/2 routers automatically inject a default route to the nearest Level 1 router.
C. Level 2 routers must share the same area address.
D. Level 1 routers route traffic between autonomous systems.

Correct Answer: A
Section:

QUESTION 21
Which two multicast listener registration protocols are supported in the Junos operating system? (Choose two.)

A. MLD
B. DVMRP
C. IGMP
D. PIM

Correct Answer: A, C
Section:

QUESTION 22
Which three statements are correct about EVPN route types? (Choose three.)

A. Type 3 routes carry replication information.
B. Type 2 routes carry endpoint MAC address information.
C. Type 2 routes carry endpoint IP address information.
D. Type 5 routes carry replication information.
E. Type 1 routes carry endpoint MAC address information.

Correct Answer: B, C, E
Section:

QUESTION 23
Referring to the exhibit, which two statements are correct? (Choose two.)

```
user@leaf> show route table default-switch.evpn.0 detail
...
2:192.168.100.13:1::5010::00:0c:29:08:04:a0/304 MAC/IP (2 entries, 1 announced)
        *BGP    Preference: 170/-101
                Route Distinguisher: 192.168.100.13:1
                Next hop type: Indirect, Next hop index: 0
                Address: 0xcd690bc
                Next-hop reference count: 12
                Source: 192.168.100.1
                Protocol next hop: 192.168.100.13
                Indirect next hop: 0x2 no-forward INH Session ID: 0x0
                State: <Secondary Active Int Ext>
                Local AS: 65000 Peer AS: 65000
                Age: 8:17       Metric2: 0
                Validation State: unverified
                Task: BGP_65000.192.168.100.1
                Announcement bits (1): 0-default-switch-evpn
                AS path: I  (Originator)
                Cluster list:  1.1.1.1
                Originator ID: 192.168.100.13
                Communities: target:65000:5010 encapsulation:vxlan(0x8)
                Import Accepted
                Route Label: 5010
                ESI: 00:00:00:00:00:00:00:00:00:00
                Localpref: 100
                Router ID: 192.168.100.1
                Primary Routing Table: bgp.evpn.0
                Thread: junos-main
```

A. The host that the route is associated with is multihomed to two leaf nodes.
B. The route is a Type 1 EVPN route.
C. The route is a Type 2 EVPN route.
D. The host that the route is associated with is single-homed to one leaf node.

Correct Answer: B, D
Section:

QUESTION 24
You must provide network connectivity to hosts that fail authentication.
In this scenario, what would be used in a network secured with 802.1X to satisfy this requirement?

A. Configure the native-vlan-id parameter on the port.
B. Use the server-reject-vlan command to specify a guest VLAN.
C. Configure a secondary IP address on the port for unauthenticated hosts.
D. Configure the port as a spanning tree edge port.

Correct Answer: B
Section:

QUESTION 25
A Layer 2 connection does not expend across data centers. The IP subnet in a Layer 2 domain is confined within a single data center.
Which EVPN route type is used to communicate prefixes between the data centers?

A. Type 1
B. Type 2
C. Type 4
D. Type 5

Correct Answer: D
Section:

QUESTION 26
You are using 802.1X authentication in your network to secure all ports. You have a printer that does not support 802.1X and you must ensure that traffic is allowed to and from this printer without authentication.
In this scenario, what will satisfy the requirement?

A. MAC filtering
B. MACsec
C. static MAC bypass
D. MAC RADIUS

Correct Answer: C
Section:

QUESTION 27
Referring to the exhibit, which two statements are correct? (Choose two.)

```
(master:0)[edit protocols mstp]
user@DS-1# show
configuration-name Region-1;
revision-level 1;
interface ge-0/0/8;
interface ge-0/0/9;
interface ge-0/0/10;
interface ge-0/0/12;
msti 1 {
    bridge-priority 4k;
    vlan 10-19;
}
msti 2 {
    bridge-priority 8k;
    vlan 20-29;
}
(master:0)[edit protocols mstp]
user@DS-2# show
configuration-name Region-1;
revision-level 1;
interface ge-0/0/8;
interface ge-0/0/9;
interface ge-0/0/10;
interface ge-0/0/12;
msti 1 {
    bridge-priority 8k;
    vlan 10-19;
}
```

A. The DS-2 switch will be root bridge for MSTI 2.
B. The DS-1 switch will be root bridge for MSTI 1.
C. The DS-1 switch will be root bridge for MSTI 2.
D. The DS-2 switch will be root bridge for MSTI 1.

Correct Answer: A, D
Section:

QUESTION 28
In OSPF, how does a router ensure that LSAs advertised to a neighboring router are received?

A. LSA flooding guarantees that all routers will receive them successfully.
B. LSAs are sent over a TCP connection.
C. LSAs are acknowledged by the neighboring router.
D. LSAs are advertised with an acknowledgement bit.

Correct Answer: C
Section:

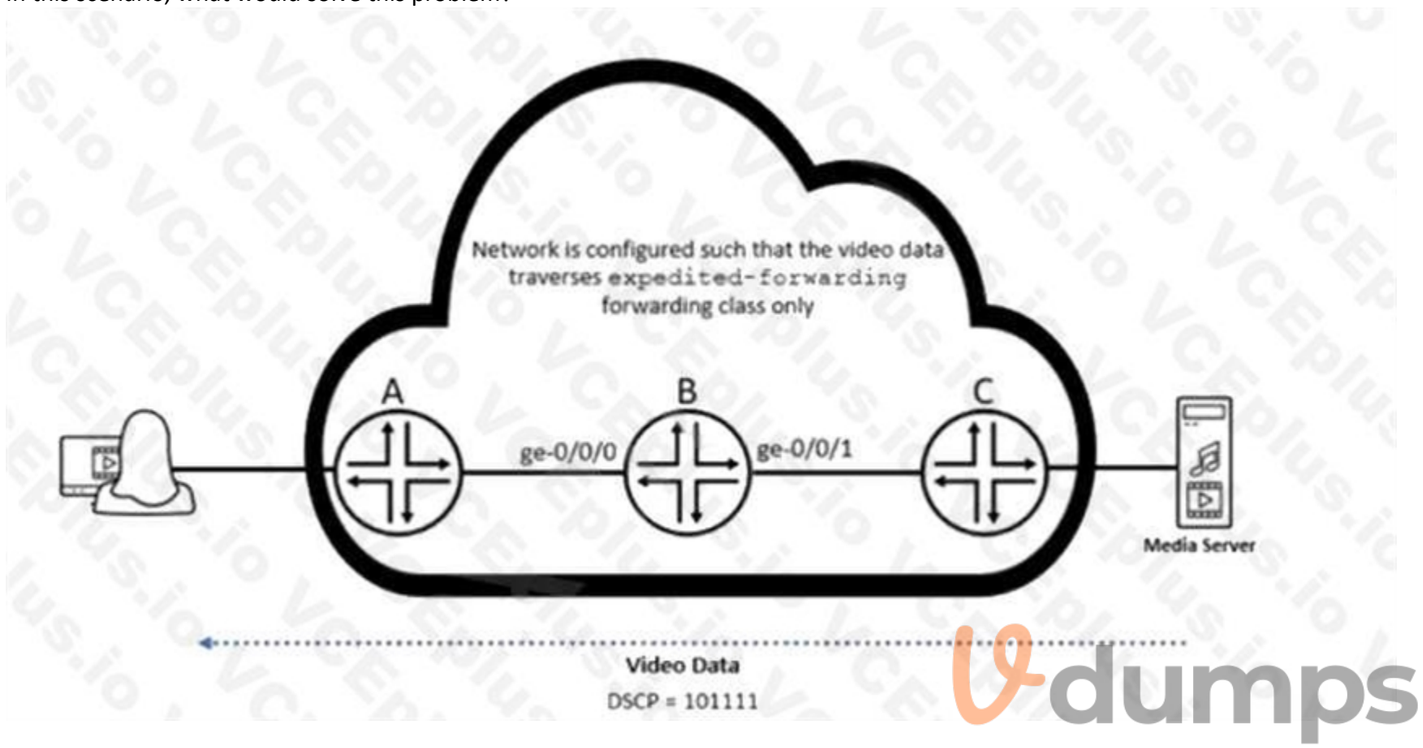
QUESTION 29
Referring to the exhibit, which two statements are correct? (Choose two.)

```
user@DS-1> show spanning-tree interface
Spanning tree interface parameters for VLAN 10
Interface     Port ID    Designated      Designated          Port    State  Role
                         port ID         bridge ID           Cost
ge-0/0/7.0    128:521      128:521   4106.0019e25173c0      20000   FWD    DESG
ge-0/0/8.0    128:523      128:523   4106.0019e25173c0      20000   FWD    DESG
ge-0/0/9.0    128:525      128:525   4106.0019e25173c0      20000   FWD    DESG
…
Spanning tree interface parameters for VLAN 20
Interface     Port ID    Designated      Designated          Port    State  Role
                         port ID         bridge ID           Cost
ge-0/0/7.0    128:521      128:523   4116.0019e2551d40      20000   BLK    ALT
ge-0/0/8.0    128:523      128:521   4116.0019e2551d40      20000   FWD    ROOT
ge-0/0/9.0    128:525      128:525   4116.0019e2551d40      20000   BLK    ALT
```

A. BPDUs from the root bridge for VLAN 10 have been received on the ge-0/0/7.0 interface.
B. DS-1 is the root bridge for VLAN 10.
C. BPDUs from the root bridge for VLAN 20 have been received on the ge-0/0/7.0 interface.
D. Default VSTP bridge priority values are configured.

Correct Answer: A, C
Section:

QUESTION 30
A user is attempting to watch a high-definition video being streamed from the media server over the network. However, the user complains that the experienced video quality is poor. While logged on to router B, a Juniper Networks device, you notice that video packets are being dropped.
In this scenario, what would solve this problem?



A. Adjust the scheduler for the expedited-forwarding forwarding class to support a higher transmit rate.
B. Adjust the expedited-forwarding BA classifier to router B's ge-0/0/0 interface to support a higher transmit rate.
C. Adjust the scheduler-map to support a higher transmit rate.
D. Adjust the expedited-forwarding BA classifier on router B's ge-0/0/1 interface to support a higher transmit rate.

Correct Answer: D
Section:

QUESTION 31
There are two BGP routes to 10.200.200.0/24 received from two external peers. Route 1 comes from a neighbor with a router ID of 10.10.100.1 and a peer IP address of 10.10.30.1, and route 2 comes from a neighbor with a router ID of 10.10.200.1 and a peer IP address of 10.10.50.1. Both routes have the same MED value, origin value, AS path length, and local preference number.
In this scenario, which statement is correct about the active route?

A. Route 1 will be active because of the peer IP address.
B. Route 2 will be active because of the peer IP address.
C. Route 1 will be active because of the router ID.
D. Route 2 will be active because of the router ID.

Correct Answer: D
Section:

QUESTION 32
You are asked to configure 802.1X on your access ports to allow only a single device to authenticate.
In this scenario, which configuration would you use?

A. single supplicant mode
B. multiple supplicant mode
C. single-secure supplicant mode
D. MAC authentication mode

Correct Answer: A
Section:

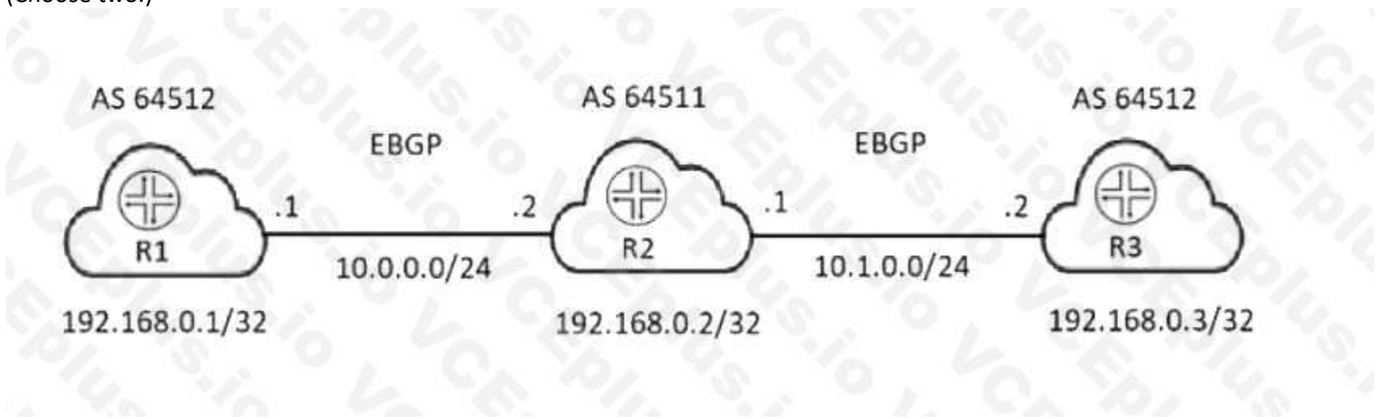
QUESTION 33
Referring to the exhibit, which two statements are correct? (Choose two.)

```
user@switch> show poe interface
Interface    Admin      Oper    Max       Priority      Power          Class
             status     status  power                   consumption
 ge-0/0/0    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/1    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/2    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/3    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/4    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/5    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/6    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/7    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/8    Enabled    OFF     15.4W     Low           0.0W           not-applicable
 ge-0/0/9    Enabled    OFF     15.4W     Low           0.0W           not-applicable
ge-0/0/10    Enabled     ON     25.4W(L)  Low           11.0W           4
ge-0/0/11    Enabled     ON     25.4W(L)  High          11.4W           4
  (L) LLDP-negotiated value on the port.
user@switch> show poe controller
Controller  Maximum   Power         Guard    Management   Status       Lldp
index       power     consumption   band                               Priority
   0        100.00W   22.40W         10W     Class        AT_MODE      Disabled
```

A. The maximum wattage that this switch can allocate to attached Ethernet devices is 100 watts.
B. If the total power consumption exceeds 90 watts, the ge-0/0/11 interface will continue to receive power.
C. PoE is not enabled on the ge-0/0/0 interface.
D. The ge-0/0/10 interface supports PoE+.

Correct Answer: A, C
Section:

QUESTION 34
You are asked to establish full connectivity between all devices in the BGP network.
Referring to the exhibit, which two configuration changes will allow BGP route advertisements?
(Choose two.)



A. On R2, include the loops 2 statement at the [edit protocols bgp family inet unicast] hierarchy.
B. On R1 and R3, include the loops 2 statement at the [edit protocols bgp family inet unicast] hierarchy.
C. On R1 and R3, include the advertise-peer-as statement at the [edit protocols bgp group external] hierarchy.
D. On R2, include the advertise-peer-as statement at the [edit protocols bgp group external] hierarchy.

Correct Answer: B, D
Section:

QUESTION 35
Referring to the exhibit, which two statements are correct? (Choose two.)

```
user@router> show bgp neighbor 192.168.100.2
Peer: 192.168.100.2+179 AS 65000 Local: 192.168.100.1+58355 AS 65000
  Group: overlay                Routing-Instance: master
  Forwarding routing-instance: master
  Type: Internal    State: Established  (route reflector client)Flags: <Sync>
  Last State: OpenConfirm   Last Event: RecvKeepAlive
  Last Error: None
  Options: <LocalAddress Cluster AddressFamily Multipath Rib-group Refresh>
  Options: <GracefulShutdownRcv>
  Address families configured: evpn
  Local Address: 192.168.100.1 Holdtime: 90 Preference: 170
  Graceful Shutdown Receiver local-preference: 0
  Number of flaps: 0
  Peer ID: 192.168.100.2   Local ID: 192.168.100.1     Active Holdtime: 90
  Keepalive Interval: 30         Group index: 2    Peer index: 3    SNMP index: 10
  I/O Session Thread: bgpio-0 State: Enabled
  BFD: disabled, down
  NLRI for restart configured on peer: evpn
  NLRI advertised by peer: evpn
  NLRI for this session: evpn
  Peer supports Refresh capability (2)
  Stale routes from peer are kept for: 300
  Peer does not support Restarter functionality
  Restart flag received from the peer: Notification
  NLRI that restart is negotiated for: evpn
  NLRI of received end-of-rib markers: evpn
  NLRI of all end-of-rib markers sent: evpn
  Peer does not support LLGR Restarter functionality
```

```
I/O Session Thread: bgpio-0 State: Enabled
BFD: disabled, down
NLRI for restart configured on peer: evpn
NLRI advertised by peer: evpn
NLRI for this session: evpn
Peer supports Refresh capability (2)
Stale routes from peer are kept for: 300
Peer does not support Restarter functionality
Restart flag received from the peer: Notification
NLRI that restart is negotiated for: evpn
NLRI of received end-of-rib markers: evpn
NLRI of all end-of-rib markers sent: evpn
Peer does not support LLGR Restarter functionality
Peer supports 4 byte AS extension (peer-as 65000)
Peer does not support Addpath
NLRI(s) enabled for color nexthop resolution: evpn
Table bgp.evpn.0 Bit: 20000
  RIB State: BGP restart is complete
  RIB State: VPN restart is complete
  Send state: in sync
  Active prefixes:              0
  Received prefixes:            0
  Accepted prefixes:            0
  Suppressed due to damping:    0
  Advertised prefixes:          15
Last traffic (seconds): Received 9    Sent 20   Checked 91232
Input messages:  Total 3335   Updates 16      Refreshes 0     Octets 64872
Output messages: Total 3335   Updates 15      Refreshes 0     Octets 64872
Output Queue[1]: 0            (bgp.evpn.0, evpn)
```

A. The BGP neighbor can advertise L3 VPN related routes.
B. The BGP neighbor cannot advertise EVPN related routes.
C. The BGP neighbor can advertise EVPN related routes.
D. The BGP neighbor cannot advertise L3 VPN related routes.

Correct Answer: A, C
Section:

QUESTION 36
You are deploying an 802.1X solution and must determine what would happen if clients are unable to re-authenticate to the RADIUS server.
In this scenario, which configuration would provide access to the network if the supplicant is already authenticated?

A. move
B. permit

C. deny
D. sustain

Correct Answer: D
Section:

QUESTION 37
You are deploying IP phones in your enterprise network that must receive their power through their Ethernet connection. You are using your EX Series switch's PoE ports that support IEEE 802.3af.
In this scenario, what is the maximum amount of power allocated to each interface?

A. 10.2 W
B. 15.4 W
C. 30 W
D. 50 W

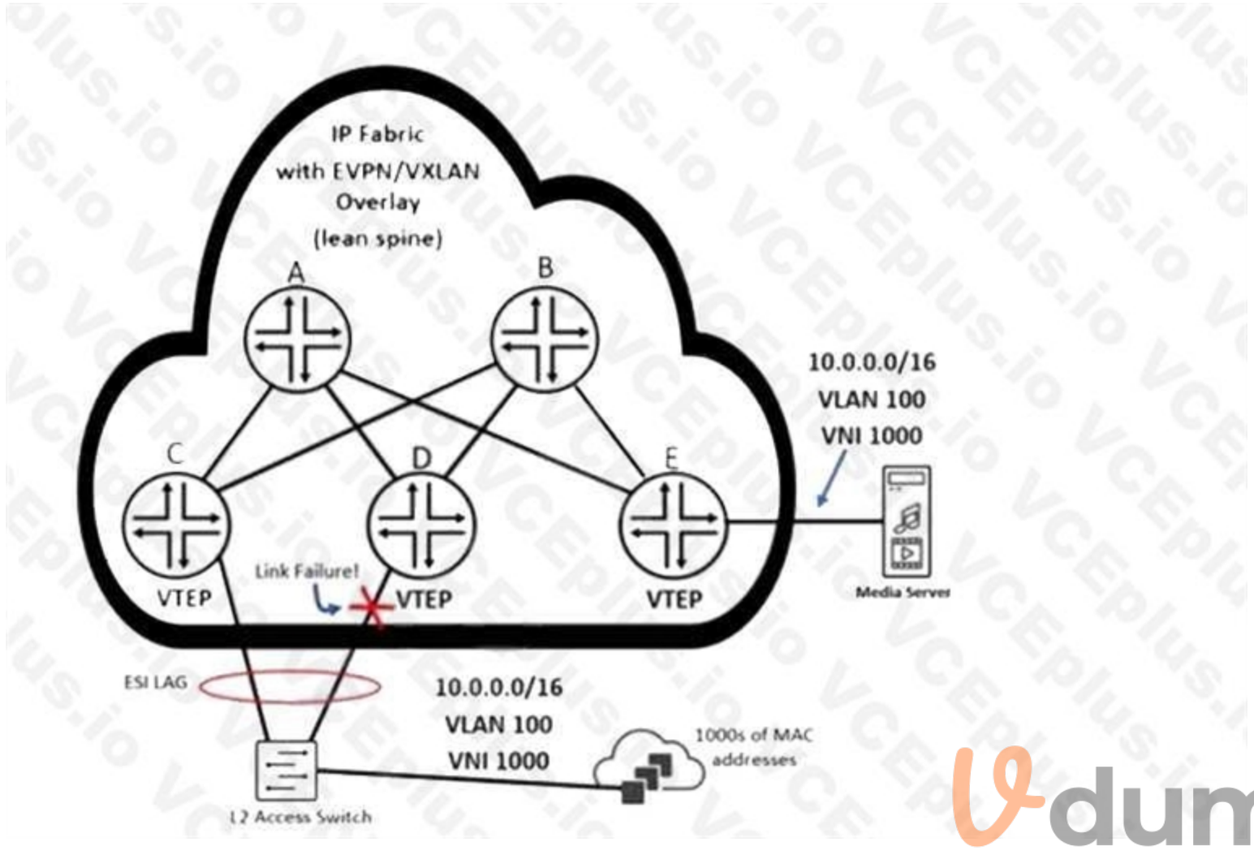
Correct Answer: B
Section:

QUESTION 38
You are deploying IP phones in your enterprise networks. When plugged in, the IP phones must be automatically provided with the correct VLAN ID needed for sending voice traffic to the EX Series switches.
In this scenario, which two solutions are required to accomplish this task? (Choose two.)

A. Enable LLDP-MED on appropriate access interfaces.
B. Create two VLANs and assign them as VLAN members to the appropriate access interfaces.
C. Enable the voice VLAN feature with the appropriate access interfaces and VLAN ID for voice traffic.
D. Use LLDP on appropriate interfaces.

Correct Answer: A, C
Section:

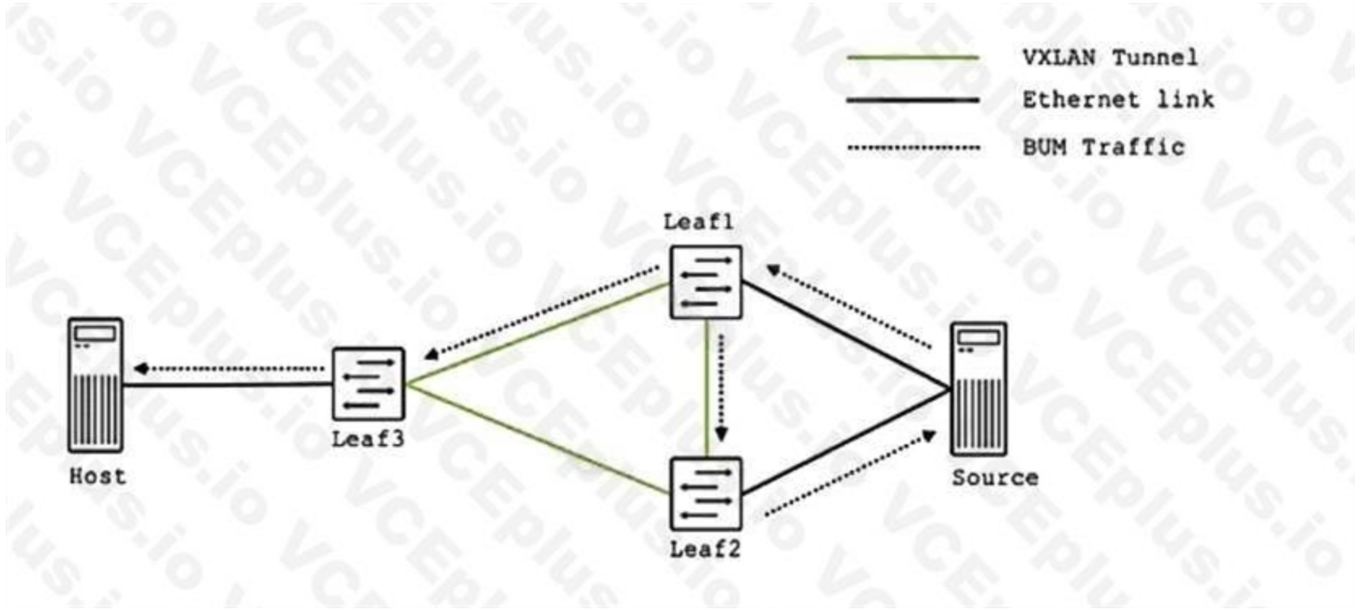
QUESTION 39
Referring to the exhibit, how will router E quickly learn that the remote MAC addresses are no longer reachable through the router attached to the failed link?



A. Router E receives Type 2 withdrawal messages from router D.
B. Router E receives Type 1 withdrawal messages from router D.
C. Router E receives Type 1 withdrawal messages from router C.
D. Router E receives Type 2 withdrawal messages from router C.

Correct Answer: B
Section:

QUESTION 40
You are troubleshooting an EVPN-VXLAN IP fabric and observe the loop shown in the exhibit.
Which two steps would you take to further troubleshoot this problem? (Choose two.)



A. Verify that the same ESI is configured on the link from the host and that it matches the source.
B. Issue the show route table bgp.evpn.0 command on Leaf2 and verify that Type 4 routes are present.
C. Issue the show route table bgp.evpn.0 command on Leaf2 and verify that Type 3 routes are present.
D. Verify that the same ESI is configured on the two links from the source.

Correct Answer: B, C
Section:

QUESTION 41
Referring to the outputs shown in the exhibit, which two statements are correct about the IS-IS adjacency? (Choose two.)

```
user@R1> show isis adjacency extensive
R2
  Interface: ge-1/0/0.0, Level: 2, State: Up, Expires in 7 secs
  Priority: 64, Up/Down transitions: 1, Last transition: 00:02:19 ago
  Circuit type: 2, Speaks: IP, IPv6, MAC address: 4c:96:14:93:9a:96
  Topologies: Unicast
  Restart capable: Yes, Adjacency advertisement: Advertise
  LAN id: R2.02, IP addresses: 10.1.1.2
  Transition log:
  When                  State       Event          Down reason
  Mon May 16 11:53:33   Up          Seenself
user@R2>  show isis adjacency extensive
R1
  Interface: ge-1/0/1.0, Level: 2, State: Up, Expires in 20 secs
  Priority: 64, Up/Down transitions: 1, Last transition: 00:01:55 ago
  Circuit type: 3, Speaks: IP, IPv6, MAC address: 4c:96:14:93:9a:95
  Topologies: Unicast
  Restart capable: No, Adjacency advertisement: Advertise
  LAN id: R2.02, IP addresses: 10.1.1.1
  Transition log:
  When                  State       Event          Down reason
  Mon May 16 11:53:33   Up          Seenself
```

A. R1 is configured to participate in both Level 1 and Level 2.
B. R2 is configured to participate in both Level 1 and Level 2.
C. R1 is configured to participate in Level 2 only.
D. R2 is configured to participate in Level 2 only.

Correct Answer: B, C
Section: