JN0-649 Q&As

Enterprise Routing and Switching Professional (JNCIP-ENT)

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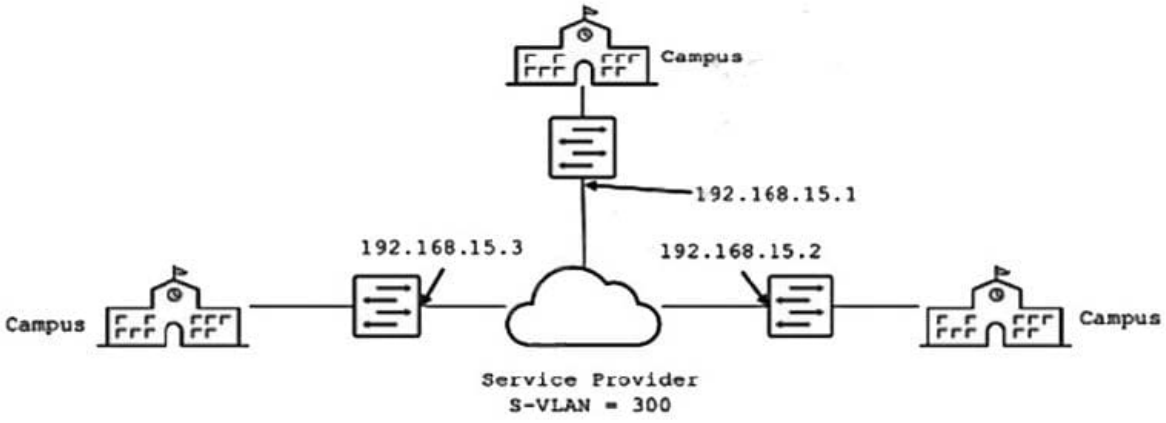
QUESTION 1

You want to provide Layer 2 connectivity between campus sites using Ethernet switches through a metro Ethernet service provider who isusing 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: CD

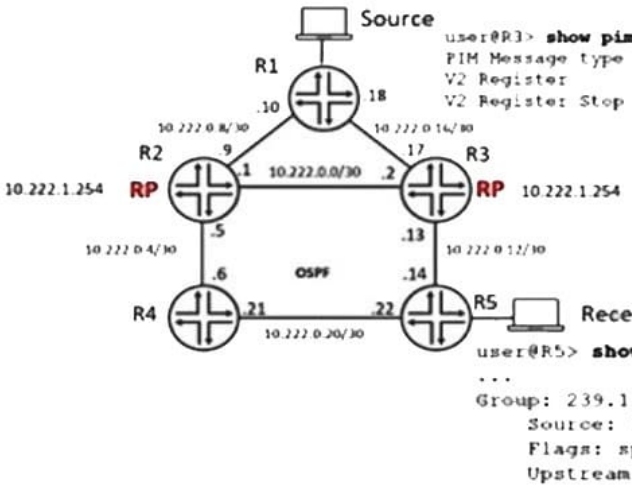
https://www.juniper.net/documentation/us/en/software/junos/multicast-l2/topics/ref/statement/layer2-protocol-tunneling-edit-vlans-l2pt-ex-series.html

QUESTION 2

Referring to the exhibit, anycast RP is implemented to ensure multicast service availability. The source is currently sending multicast traffic using group 239.1.1.1 and R3 is receiving PIM register messages, but R2 does not have active source information.

In this scenario, what are two methods to receive the active source information on R2? (Choose two.)

```
user@R1> show pim statistics | match "(PIM Message type)|(V2 Register)"
PIM Message type          Received      Sent  Rx errors
V2 Register                      0       857          0
V2 Register Stop                 0         0          0
```




```
user@R3> show pim statistics | match "(PIM Message type)|(V2 Register)"
PIM Message type          Received      Sent  Rx errors
V2 Register                    857         0          0
V2 Register Stop                 0         0          0
```

```
user@R5> show pim join
...
Group: 239.1.1.1
    Source: 10.222.3.2
    Flags: sparse,spt
    Upstream interface: ge-0/0/12.0
```

A. Configure an RP set in PIM on R1, allowing R1 to forward PIM register messages to R2 and R3 in the set.

B. Configure an MSDP protocol between R2 andR3.

C. Configure an RP set in PIM on R2 and R3, allowing the RPs to forward PIM register messages to the other RPs in the set.

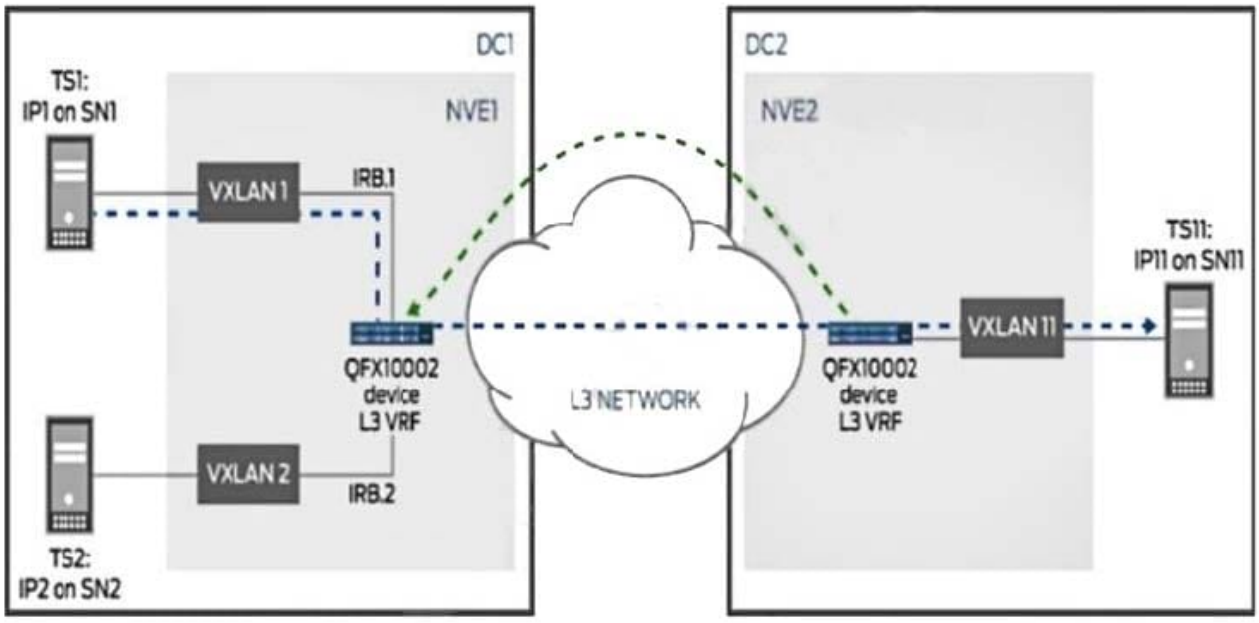
D. Configure an MSDP protocol between R1 and R2.

Correct Answer: AC

https://www.juniper.net/documentation/us/en/software/junos/multicast/topics/ref/statement/rp-set-edit-protocols-pim.html

QUESTION 3

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

https://www.juniper.net/documentation/us/en/software/junos/evpn-vxlan/topics/concept/evpn-route-type5-understanding.html

QUESTION 4

You are asked to implement fault tolerant RPs in your multicast network. Which two solutions would accomplish this behavior? (Choose two.)

A. Use BFD with statically defined RPs.

B. Use MSDP withstatically defined RPs.

C. Use anycast PIM with statically defined RPs.

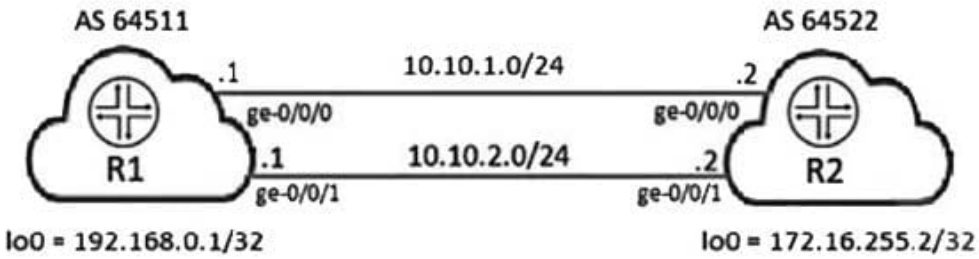
D. Use IGMPv3 with statically defined RPs.

Correct Answer: BC

QUESTION 5

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 configuredto accommodate peering to a loopback address of a directly connected peer.

Correct Answer: BD