



Free Questions for 300-415
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Question 1

Question Type: MultipleChoice

What do receivers request to join multicast streams in a Cisco SO-WAN network?

Options:

- A- IGMP membership reports directly with a multicast router.
- B- Multicast service routes with the vSmart controller
- C- IGMP membership reports directly with the vBond orchestrator.
- D- PIM messages with the nearest neighboring multicast router.

Answer:

B

Explanation:

In a Cisco SD-WAN network, multicast traffic management is handled differently compared to traditional IP multicast methods due to the nature of the overlay architecture.

1.Multicast Service Routes: In Cisco SD-WAN, multicast receivers use the vSmart controller to request multicast streams. This is done via multicast service routes which the vSmart controller manages. The vSmart controller is responsible for maintaining and distributing multicast routing information to all edge devices in the network.

1.Process:

oWhen a multicast receiver wants to join a multicast stream, it sends an IGMP join request.

oThe WAN Edge device forwards this request to the vSmart controller.

oThe vSmart controller then updates the multicast service routes to include the new receiver, ensuring that multicast traffic is appropriately forwarded to the joining receiver.

1.Reference:

oCisco SD-WAN Multicast Configuration Guide

oCisco SD-WAN vSmart Controller Documentation

Question 2

Question Type: MultipleChoice

Which storage format is used when vManage is deployed as a virtual machine on a KVM hypervisor?

Options:

- A- .iso
- B- .qcow2
- C- .ova
- D- .tgz



Answer:

B

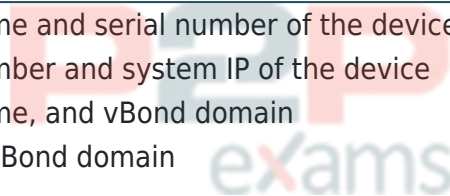
Question 3

Question Type: MultipleChoice

Which set of elements are verified by the controller to confirm the identity of edge devices?

Options:

- A- certificates, organization name and serial number of the device
- B- organization name serial number and system IP of the device
- C- certificates, organization name, and vBond domain
- D- certificates, system IP, and vBond domain



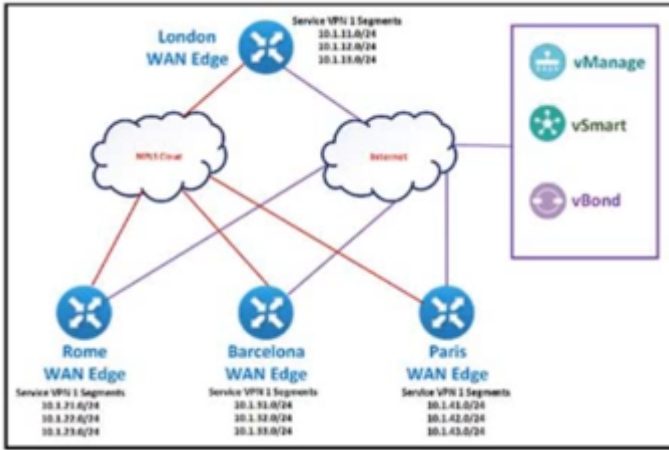
Answer:

A

Question 4

Question Type: MultipleChoice

Refer to the exhibit.



The SD-WAN network is configured with a default full-mesh topology. The SD-WAN engineer wants the Barcelona WAN Edge to use MPLS TLOC as the preferred TLOC when communicating with Rome site. Which configuration must the engineer use to create a list to select MPLS color toward the Rome TLOC?

A)

The screenshot shows the 'Add Mesh Region' configuration page. The Name field is set to 'Partial_Mesh', the Description field is set to 'Partial_Mesh', the VPN List field is set to 'ALL', and the Mesh Region Name field is set to 'North'.

B)


○ Add Mesh Region

Name

Description


VPN List

Mesh Region Name



C)

Add Control Policy

 **TLOC**
Create a policy to apply to TLOCs

D)



Add VPN Membership Policy

VPN Membership Name: Site_to_Site

Description: Site_to_Site VPN List

Site List: Spokes

VPN Lists: ALL

Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D

Answer:

C

Question 5

Question Type: MultipleChoice

Which application list is preconfigured?

Options:

- A- Google_Apps
- B- Cisco Apps
- C- Microsoft_Office365
- D- P2P_Apps

Answer:

C

Explanation:

In Cisco SD-WAN, application lists are used to identify and manage specific types of application traffic. Preconfigured application lists are provided by Cisco to simplify the management and configuration of common applications.

1.Preconfigured Application Lists: Among the preconfigured application lists provided by Cisco SD-WAN, Microsoft_Office365 is one of them. This list helps in easily identifying and managing traffic related to Microsoft Office 365 applications.

1.Usage: These preconfigured lists can be used in policies to ensure optimized routing and performance for critical applications like Microsoft Office 365, which are widely used in enterprise environments.

1.Reference:

oCisco SD-WAN Application-Aware Routing Configuration Guide

Cisco SD-WAN Policy Framework Documentation

Question 6

Question Type: MultipleChoice

Which two sets of identifiers does OMP carry when it advertises TLOC routes between WAN Edge routers? (Choose two.)

Options:

- A- TLOC public and private address, carrier, and preference
- B- source and destination IP address, MAC, and site ID
- C- system IP address, link color, and encapsulation
- D- VPN ID, local site network, and BGP next-hop IP address
- E- TLOC public and private address, tunnel ID, and performance

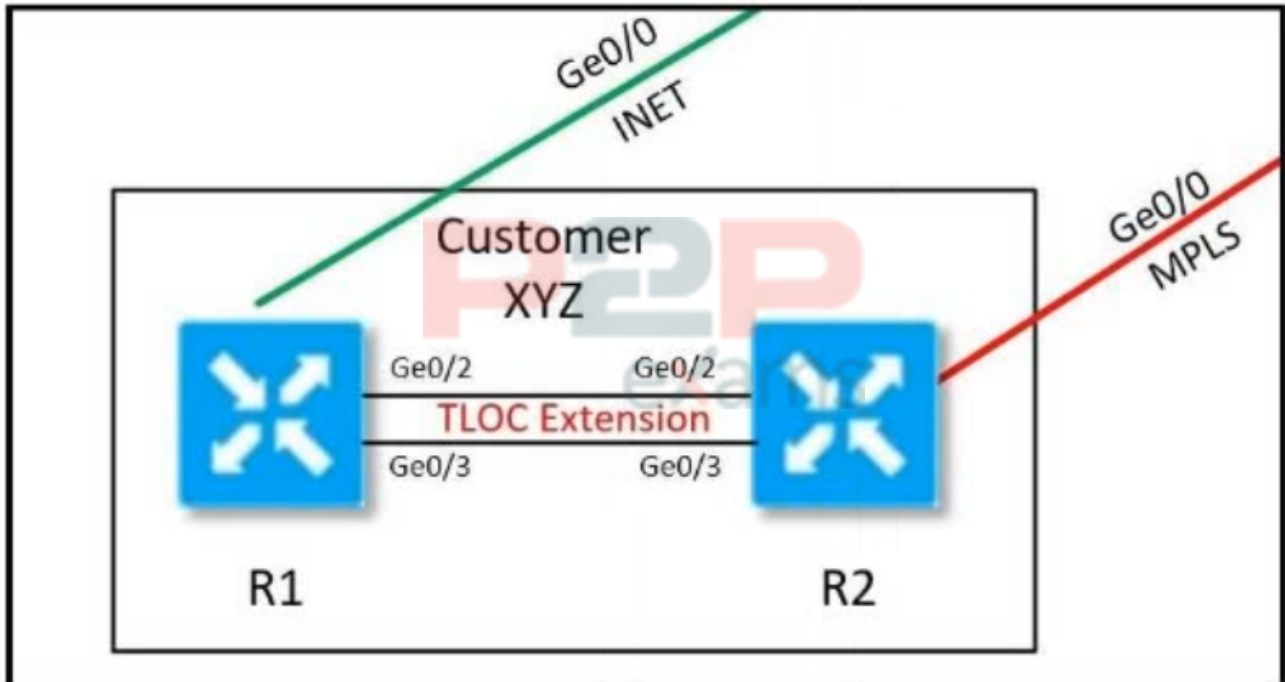
Answer:

A, C

Question 7

Question Type: MultipleChoice

Refer to the exhibit.



Customer XYZ cannot provision dual connectivity on both its routers due to budget constraints but wants to use both R1 and R2 interfaces for users behind them for load toward the hub site. Which configuration achieves this objective?

A)

R1

```
interface ge0/2  
  ip address 43.43.43.2/30  
  tloc-extension ge0/0
```

```
interface ge0/3  
  ip address 34.34.34.2/30  
  tloc-extension ge0/0
```

R2

```
interface ge0/2  
  ip address 43.43.43.1/30
```

```
interface ge0/3  
  ip address 34.34.34.1/30
```

B)

R1

```
interface ge0/2  
ip address 43.43.43.2/30  
tloc-extension ge0/0
```

```
interface ge0/3  
ip address 34.34.34.1/30  
tunnel-interface  
color mpls
```

R2

```
interface ge0/2  
ip address 43.43.43.1/30  
tunnel-interface  
color public-internet
```

```
interface ge0/3  
ip address 34.34.34.2/30  
tloc-extension ae0/0
```

C)

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R1

```
interface ge0/2  
  ip address 43.43.43.2/30  
  tloc-extension ge0/0
```

```
interface ge0/3  
  ip address 34.34.34.2/30  
  tloc-extension ge0/0
```

R2

```
interface ge0/2  
  ip address 43.43.43.1/30  
  tunnel-interface  
  color public-internet
```

```
interface ge0/3  
  ip address 34.34.34.1/30  
  tunnel-interface  
  color mpls
```

D)

R1

```
interface ge0/2
  ip address 43.43.43.2/30
  tloc-extension ge0/0
```

```
interface ge0/3
  ip address 34.34.34.1/30
  tunnel-interface
  color mpls
```

R2

```
interface ge0/2
  ip address 43.43.43.1/30
  tunnel-interface
  color public-internet
```

```
interface ge0/3
  ip address 34.34.34.2/30
  tloc-extension ge0/2
```



Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D



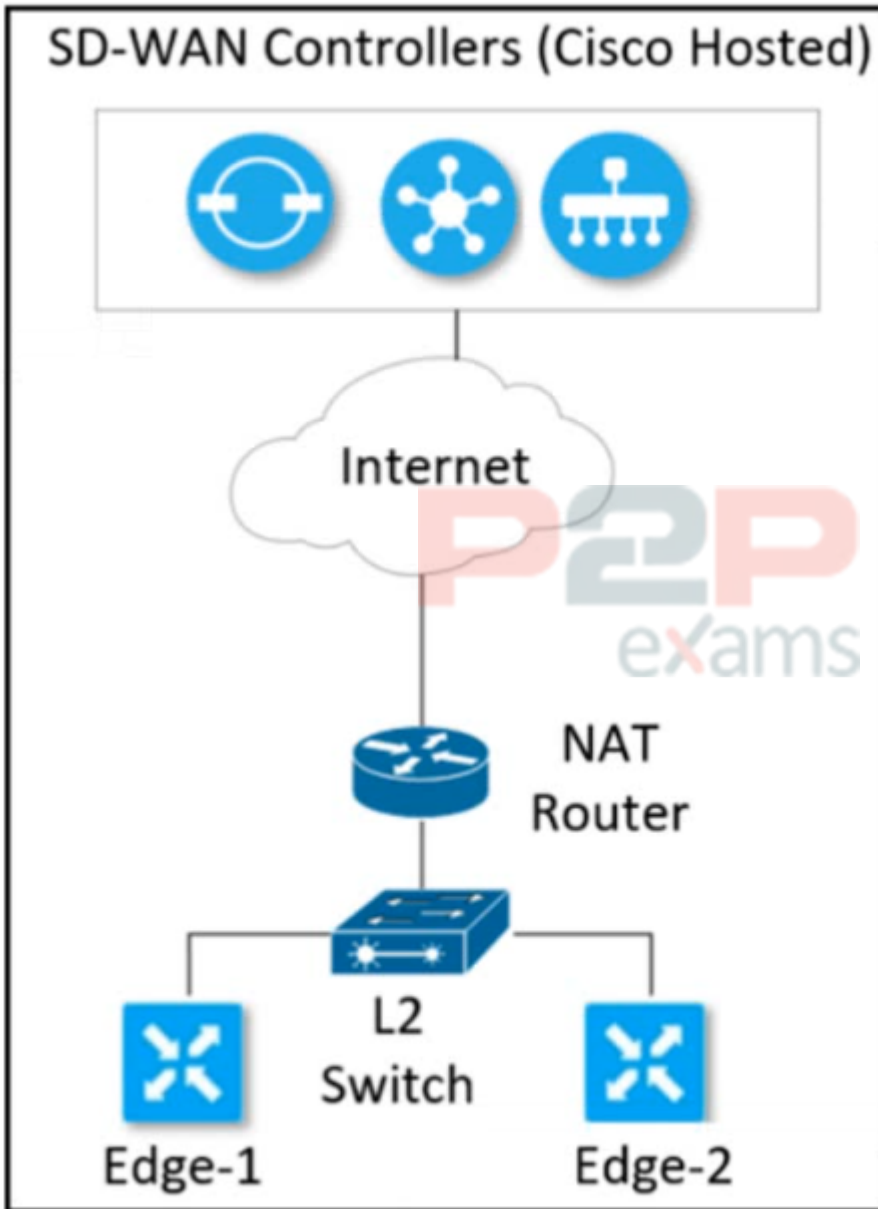
Answer:

A

Question 8

Question Type: MultipleChoice

Refer to the exhibit.



Refer to the exhibit Which configuration must the engineer use to form underlay connectivity for the Cisco SD-WAN network?

A)

```
R1
vpn 512
interface eth0
ip address 10.0.0.21/24
no shutdown
!
ip route 0.0.0.0/0 10.0.0.254
```

```
R2
vpn 512
interface eth0
ip address 10.0.0.2/24
no shutdown
!
ip route 0.0.0.0/0 10.0.0.254
```

B)

```
R1
vpn 10
interface ge0/2
ip address 10.10.10.9/29
no shutdown
!
ip route 0.0.0.0/0 10.10.10.11
```

```
R2
vpn 10
interface ge0/2
ip address 10.10.10.10/29
no shutdown
!
ip route 0.0.0.0/0 10.10.10.11
```



C)

```
R1
vpn 0
interface 10ge0/0
ip address 10.50.0.2/29
no shutdown
!
ip route 0.0.0.0/0 10.50.0.3
```

```
R2
vpn 0
interface 10ge0/0
ip address 10.50.0.1/29
no shutdown
!
ip route 0.0.0.0/0 10.50.0.3
```

D)

```
R1
vpn 0
interface ge0/0
ip address 10.50.0.2/30
tunnel-interface
!
ip route 0.0.0.0/0 10.50.0.4
```

```
R2
vpn 0
interface ge0/0
ip address 10.50.0.3/30
tunnel-interface
!
ip route 0.0.0.0/0 10.50.0.4
```



Options:

- A- Option A
- B- Option B
- C- Option C

D- Option D

Answer:

C

Question 9

Question Type: MultipleChoice

Which data policy configuration influences BGP routing traffic flow from LAN to WAN?

A)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
ospf
route-policy BG-AS-PREPEND in
```

B)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action deny
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
bgp
route-policy BG-AS-PREPEND out
```

C)

```
policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
bgp
route-policy BG-AS-PREPEND out
```

D)

```

policy
route-policy BGP-AS-PREPEND
sequence 10
action accept
set
as-path prepend 10, 20
!
default-action accept

vpn 10
router
bgp
route-policy BG-AS-PREPEND in

```

Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D



Answer:

C

Explanation:

In Cisco SD-WAN, data policies can influence the routing traffic flow, particularly when using BGP (Border Gateway Protocol) to manage the traffic from the LAN to the WAN. This involves route manipulation techniques such as AS-path prepending to influence path selection.

1. AS-Path Prepending:

oAS-path prepending is a technique used to manipulate the path selection process in BGP. By adding extra AS numbers to the AS-path attribute, you make a particular route less preferred.

oThis can be useful in directing traffic to take a different path by making certain routes appear longer.

1. Option C Analysis:

oPolicy Definition: The policy named BGP-AS-PREPEND includes a sequence that sets the AS-path to prepend the AS numbers 10 and 20.

oApplication: The policy is applied in the outbound direction of BGP, which means it will influence the BGP routes being advertised from the LAN to the WAN.

oThis ensures that the traffic flow from the LAN to the WAN is influenced by the AS-path prepending, making certain paths less preferred.

1. Reference:

oCisco SD-WAN Routing Configuration Guide

oCisco SD-WAN BGP Policy Configuration Documentation

Question 10

Question Type: MultipleChoice

Which destination UDP port is used by WAN Edge router to make a DTLS connection with vBond Orchestrator?



Options:

- A- 12343
- B- 12345
- C- 12346
- D- 12347

Answer:

C

Question 11

Question Type: MultipleChoice

What are two benefits of installing Cisco SD-WAN controllers on cloud-hosted services? (Choose two.)



Options:

- A- utilizes well-known cloud services such as Azure, AWS, and GCP
- B- accelerates Cisco SD-WAN deployment
- C- allows integration of the WAN Edge devices In the cloud
- D- installs the controllers in two cloud regions in a primary and backup setup
- E- automatically Implements zone-based firewalling on the controllers

Answer:

B, D

Question 12

Question Type: MultipleChoice

Which type of connection is created between a host VNet and a transit VNet when configuring Cloud OnRamp for IaaS?

Options:

- A- Azure private endpoint
- B- GRE tunnel
- C- IPsec tunnel
- D- Azure peer link

Answer:

C

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