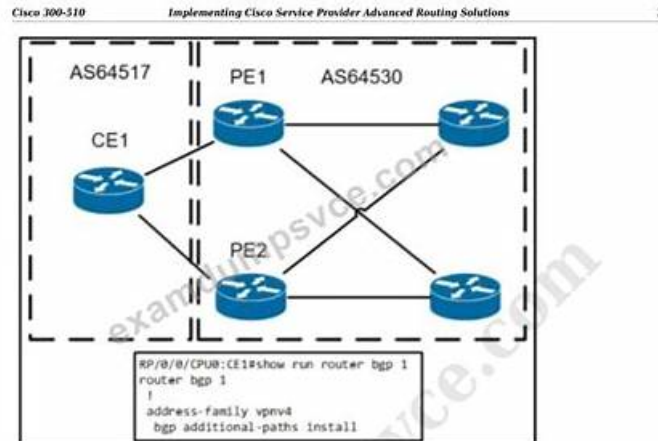


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A network operators configuring BGP PIC on CE1 on already established neighborships with PE1 and PE2 inside the fully converged MPLS network. Which element needs to be implemented to make this feature function effectively?

- A. The operator must ensure that all prefixes have the same next-hop from PE1 and PE2 for BGP PIC as reserved BGP
- B. community of 10 must be used to denote the PIC feature set to the routing protocol
- C. Bidirectional Forwarding Detection must be applied to the upstream facing BGP interfaces.
- D. BGP import export policies must be applied on all devices for the routes needing BGP for PIC

Answer: C

NEW QUESTION 53

Refer to the exhibit.

```
Router 1:
interface tunnel-te12
ipv4 unnumbered loopback0
autonomous announce
destination 192.168.1.2
path-option 12 dynamic segment-routing
path-protection
```

Router 1 has established an SR-TE tunnel with router 2. Which statement describes this configuration?

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Cisco 300-510 Exam is a certification test that validates the skills and knowledge of IT professionals in implementing advanced routing solutions in a service provider environment. 300-510 exam is designed for network engineers and other professionals who want to enhance their expertise in deploying and managing complex routing technologies such as BGP, OSPF, and IS-IS.

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The 300-510 certification exam is one of the top-rated career advancement certifications in the market. This Implementing Cisco Service Provider Advanced Routing Solutions (300-510) exam dumps have been inspiring beginners and experienced professionals since its beginning. There are several personal and professional benefits that you can gain after passing the Cisco 300-510 Exam. The validation of expertise, more career opportunities, salary enhancement, instant promotion, and membership of Cisco certified

professional community.

Cisco 300-510 certification exam is ideal for network engineers, network administrators, network designers, and technical support personnel who work in a service provider environment. 300-510 exam tests the candidates' ability to configure, implement, and troubleshoot various routing protocols and services, including OSPF, IS-IS, BGP, MPLS, Layer 3 VPNs, and multicast routing. 300-510 exam also covers topics such as routing policy and route manipulation, as well as high availability and network security.

To take the Cisco 300-510 Exam, candidates should have a solid understanding of routing protocols, MPLS VPNs, and BGP routing. They should also have experience working with Cisco IOS XR software, as well as experience configuring and troubleshooting networking equipment. 300-510 exam is ideal for individuals who work in service provider organizations and those who want to gain a deeper understanding of advanced routing solutions.

Cisco Implementing Cisco Service Provider Advanced Routing Solutions Sample Questions (Q268-Q273):

NEW QUESTION # 268



Refer to the exhibit. A network engineer just replaced five routers on this OSPF network. When the routing protocol is brought up, R5 cannot reach routes that originate on R1. The engineer verified that all connected links have established neighbor relationships. R5 reaches routes originating on R3 and R4. Which action resolves the issue?

- A. Configure an OSPF virtual link to bridge Area 0 on routers R3 and R4.
- B. Configure automatic neighbor discovery on R1 and R5.
- C. Configure OSPF to have a contiguous Area 0.
- D. Configure each link to be point-to-point.

Answer: A

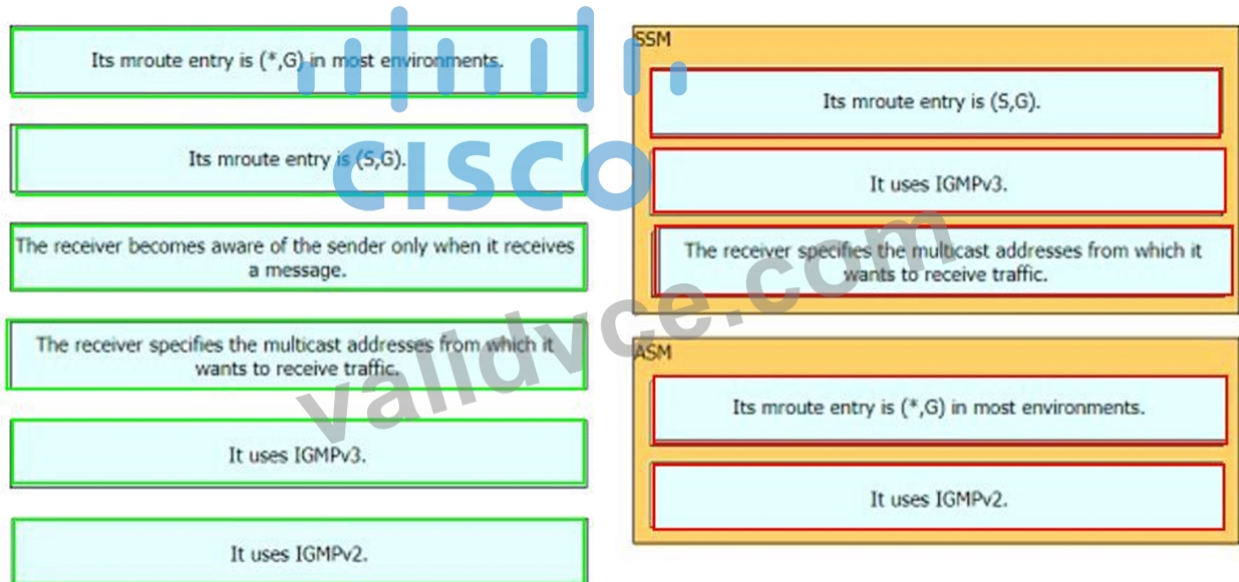
NEW QUESTION # 269

Drag and drop the features about multicast from the left onto the multicast protocols on the right. Not all options are used.

Its mroute entry is (*,G) in most environments.	SSM
Its mroute entry is (S,G).	
The receiver becomes aware of the sender only when it receives a message.	
The receiver specifies the multicast addresses from which it wants to receive traffic.	ASM
It uses IGMPv3.	
It uses IGMPv2.	

Answer:

Explanation:



NEW QUESTION # 270

Refer to the exhibit.

```

Router 1:

interface TenGigE0/1
  point-to-point
  address-family ipv4 unicast
    fast-reroute per-prefix
    Fast-reroute per-prefix ti-lfa

R1#show isis fast-reroute 172.16.200.9/32

L2 172.16.200.9/32 [30/115]
  via 192.168.20.1, TenGigE0/1, R2, SRGB Base: 16000, Weight: 0
  FRR backup via 192.168.30.1, TenGigE0/2, R3, SRGB Base: 16000,
  Weight: 0, Metric 40

```

Router 1 is connected to router 2 on interface TenGigE0/1. Which interface provides the alternate path to 172.16.200.9/32 when the link between router 1 and router 2 goes down?

- A. A backup path must be statically installed
- B. TenGigE0/1 interface provides the alternate path
- C. A primary path must be manually installed
- D. TenGigE0/2 interface provides the alternate path

Answer: D

NEW QUESTION # 271

Refer to the exhibit.

```
ip route 0.0.0.0 0.0.0.0 192.168.0.1
router isis
 redistribute static
```

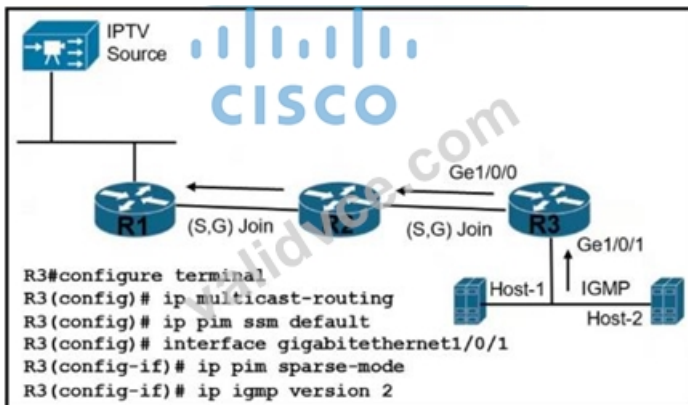
An administrator is troubleshooting Internet access issues on a customer's network. After applying this ISIS configuration to R1, the administrator notices that it fails to redistribute the default route into IS-IS. After checking the connectivity between the ISIS router and the ISP router the engineer confirmed there is Layer 3 connectivity between them Which action should be taken to correct the problem?

- A. Add the default-information originate command to the configuration
- B. Configure the default route under any routing protocol other than IS-IS
- C. Associate the default route with a VRF
- D. Configure R1 as a Layer 1 router

Answer: A

NEW QUESTION # 272

Refer to the exhibit.



A customer reports that Host-1 is failing to receive streaming traffic from the IPTV source. The engineer has confirmed that hosts on router R2 are receiving traffic normally and that Host-1 is correctly sending subscription messages to join the IPTV stream. Which action must the engineer take to correct the problem?

- A. Configure IP PIM SSM and IGMP version 2 under interface GigabitEthernet 1/0/1 on R3
- B. Configure IGMP version 3 under interface GigabitEthernet 1/0/1 on R3
- C. Remove IP PIM SSM from the global configuration on R3 and configure it under the GigabitEthernet 1/0/1 interface
- D. Remove IP PIM SSM and IGMP from interface GigabitEthernet 1/0/1 on R3 and configure under global configuration

Answer: B

NEW QUESTION # 273

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