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Cisco Implementing and Operating Cisco Service Provider Network Core Technologies Sample Questions (Q559-Q564):

NEW QUESTION # 559

Refer to the exhibit. A network engineer is implementing a BGP routing policy. Which effect of this configuration is true?

```
route-policy ciscotest
  if destination in acl10 then
    pass
  else
    set local-preference 300
  endif
end-policy end
```

- A. All traffic that matches acl10 is allowed without any change to its local-preference
- B. All traffic that matches acl10 is dropped without any change to its local-preference
- C. All traffic is assigned a local-preference of 300 regardless of its destination
- D. If traffic matches acl10, it is allowed and its local-preference is set to 300

Answer: A

NEW QUESTION # 560

Which statement about the overlay VPN model is true?

- A. The overlay model does not scale to the same size as the MPLS VPN model.
- B. The overlay model provides privacy and isolation between the different customers by using packet filters that control the data to and from the customer routers.
- C. The overlay model provides the ability to reduce the amount of routing state that core routers need to hold to meet the scalability requirements compared to the MPLS VPN model.
- D. The overlay model demands a lot from provisioning because when adding one customer site, it demands many configuration changes at many other routers on the provider side.

Answer: C

NEW QUESTION # 561

Refer to the exhibit.

```
RP/0/RP0/CPU0:XR1#do sh bundle
```

Bundle-Ether11

Status:	Up
Local links <active/standby/configured>:	1 / 2 / 3
Local bandwidth <effective/available>:	1000000 (1000000) kbps
MAC address (source):	0007.ec14.cc2b (chassis pool)
Inter-chassis link:	No
Minimum active links / bandwidth:	1 / 1 kbps
Maximum active links:	1
Wait while timer:	2000 ms
Load balancing:	
Link order signaling:	Not configured
Hash type:	Default
Locality threshold:	None
LACP:	Operational
Flap suppression timer:	Off
Cisco extensions:	Disabled
Non-revertive:	Disabled
MLACP:	Not configured
IPv4 BFD:	Not configured
IPv6 BFD:	Not configured

Port	Device	State	Port ID	B/W, kbps
Gi0/0/0/0	Local	Standby	0x8000, 0x0003	1000000
		Link is Standby due to maximum-active links configuration		
Gi0/0/0/1	Local	Standby	0x8000, 0x0002	1000000
		Link is Standby due to maximum-active links configuration		
Gi0/0/0/2	Local	Active	0x8000, 0x0001	1000000
		Link is Active		

A network operator needs to shut down interface Gi0/0/0/2 for maintenance. What occurs to the interface states of Gi0/0/0/0 and Gi0/0/0/1?

- A. Gi0/0/0/1 and Gi0/0/0/0 become active
- B. Gi0/0/0/1 becomes active Gi0/0/0/0 remains standby
- C. Gi0/0/0/0 becomes active. Gi0/0/0/1 remains standby**
- D. Gi0/0/0/1 and Gi0/0/0/0 remains standby

Answer: C

Explanation:

When interface Gi0/0/0/2 is shut down for maintenance, the other interfaces' states are affected based on their current configurations and roles. In this case, Gi0/0/0/0 becomes active because it is next in line to take over the traffic load, ensuring that network service remains uninterrupted. Gi0/0/0/1 remains standby as it was before the shutdown of Gi0/0/0/2.

The explanation can be inferred from understanding Cisco's technology and protocols related to interface states and bundle ether configurations,

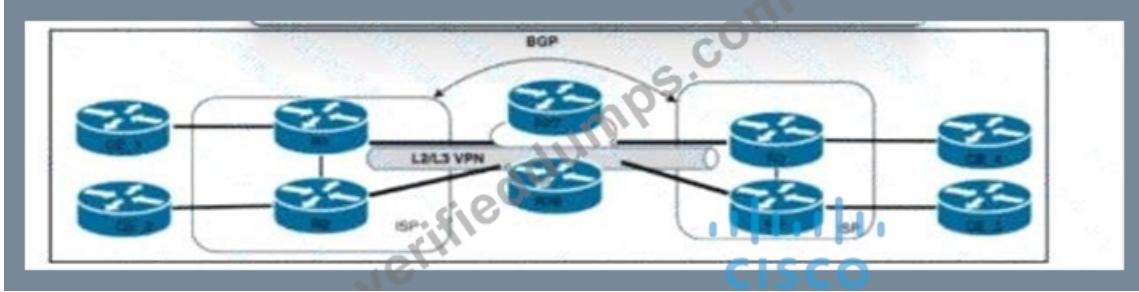
NEW QUESTION # 562

Which OSPF LSA should be used as an extension to support MPLS TE?

- A. opaque**
- B. summary
- C. router
- D. multicast OSPF

Answer: A

NEW QUESTION # 563



Refer to the exhibit. Company A's network architect is implementing the capabilities that are described in RFC 4379 to provide new options for troubleshooting the company's MPLS network. MPLS LSPs are signaled via the BGP routing protocol with IPv4 unicast prefix FECs. Due to company security policies, access is controlled on the control plane and management plane. Which two tasks must the architect perform to achieve the goal? (Choose two.)

- A. Open MCP port 3505.
- B. Open UDP port 3503.
- C. Implement LSP Ping on PE routers only.
- D. Implement VCCV on core routers only.
- E. Implement OAM on all MPLS-enabled routers.

Answer: A,B

NEW QUESTION # 564

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