

## [2021-January-New300-410 Exam Dumps 300-410 145 Free Shared by Braindump2go[Q100-Q120]

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**QUESTION 100**An engineer configured a company's multiple area OSPF head office router and Site A cisco routers with VRF lite. Each site router is connected to a PE router of an MPLS backbone.

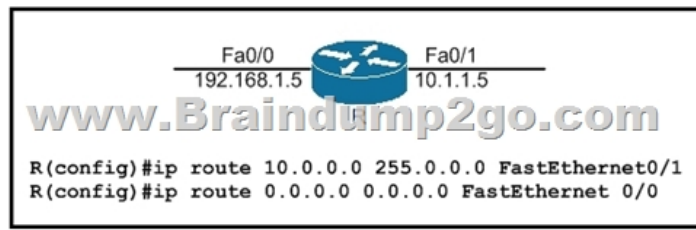
```
Head Office & Site A
ip cef
ip vrf abc
rd 101:101
!
interface FastEthernet0/0
ip vrf forwarding abc
ip address 172.16.16.X 255.255.255
!
router ospf 1 vrf abc
log-adjacency-changes
network 172.16.16.0 0.0.0.255 a
```

After finishing both site router configurations, none of the LSA 3,4,5, and 7 are installed at Site A router. Which configuration resolves this issue?  
A. configure capability vrf-lite on Site A and its connected PE router under router ospf 1 vrf abc  
B. configure capability vrf-lite on Head Office and its connected PE router under router ospf 1 vrf abc  
C. configure capability vrf-lite on both PE routers connected to Head Office and Site A routers under router ospf 1 vrf abc  
D. configure capability vrf-lite on Head Office and Site A routers under router ospf 1 vrf abc  
**Answer: D**  
**QUESTION 101**Refer to the exhibit. The ACL is placed on the inbound Gigabit 0/1 interface of the router. Host 192.168.10.10 cannot SSH to host 192.168.100.10 even though the flow is permitted. Which action resolves the issue without opening full access to this router?

```
ip access-list extended FILTER
deny tcp 192.168.10.0 0.0.0.255 192.168.100.0 0.0.0.255 eq 22
deny tcp 192.168.10.0 0.0.0.255 192.168.100.0 0.0.0.255 eq 23
deny tcp 192.168.10.0 0.0.0.255 192.168.100.0 0.0.0.255 eq 80
deny tcp 192.168.10.0 0.0.0.255 192.168.100.0 0.0.0.255 eq 443
permit tcp host 192.168.10.10 host 192.168.100.10 eq 22
permit ip any any
!
interface GigabitEthernet0/1
ip address 192.168.10.1 255.255.255.0
ip access-group FILTER in
!
```

A. Move the SSH entry to the beginning of the ACL  
B. Temporarily move the permit ip any any line to the beginning of the ACL to see if the flow works  
C. Temporarily remove the ACL from the interface to see if the flow works  
D. Run the show access-list FILTER command to view if the SSH entry has any hit statistic associated with it  
**Answer: A**  
**QUESTION 102**What destination addresses does EIGRP use when feasible? (Choose two.)  
A. IP address 224.0.0.9  
B. IP address 224.0.0.10  
C. IP address 224.0.0.8  
D. MAC address 01:00:5E:00:00:0A  
E. MAC address 0C:15:C0:00:00:01  
**Answer: BD**  
**QUESTION 103**How are packets forwarded in an MPLS domain?  
A. Using the destination IP address of the packet  
B. Using the source IP address of the packet  
C. Using a number that has been specified in a label  
D. Using the MAC address of the frame  
**Answer: C**  
**QUESTION 104**You just discovered that a ping packet sent from one of the devices to another took a different path in the return than it did on its way to the destination. What behavior caused this?  
A. Windowing  
B. Global synchronization  
C. MSSD  
D. Asymmetric routing  
**Answer: D**  
**QUESTION 105**How long is the default NHRP cache timer?  
A. 2 hours  
B. 1 hour  
C. 30 minutes  
D. 15 minutes  
**Answer: A**  
**QUESTION 106**A network engineer needs to verify IP SLA operations on an interface that shows an indication of excessive traffic. Which command should the engineer use to complete this action?  
A. show frequency  
B. show track  
C. show reachability  
D. show threshold  
**Answer: B**  
**QUESTION 107**The OSPF dead interval defaults to how many times the hello interval?  
A. Two  
B. Three  
C. Four  
D. Five  
**Answer: C**  
**QUESTION 108**Which statement about MPLS LDP router ID is true?  
A. The loopback with the highest IP address is selected as the router ID.  
B. If MPLS LDP router ID must match the IGP router ID.  
C. The force keyword changes the router ID to the specific address causing any impact.  
D. If not configured, the operational physical

interface is chosen as the router ID even if a loopback is configured. Answer: A QUESTION 109 You need to resolve a route-selection problem in a redistributed network by increasing the administrative distance to several networks for a protocol, other than EIGRP or BGP, so that these routes will not be used. You create access list 5 to identify the relevant networks, and access the routing protocol configuration prompt. Which command will set the administrative distance to these networks to 220 for the selected protocol? A. Router(config-router)# list 5 distance 220 B. Router(config-router)# admin 220 access-list 5 C. Router(config-router)# distance 220 0.0.0.0 255.255.255.255 5 D. Router(config-router)# increase 0.0.0.0 255.255.255.255 admin 220 list 5 Answer: C QUESTION 110 How are customer routes isolated on PE routers in an MPLS Layer 3 VPN? A. By using VRF B. By using VDCs C. By using MP-BGPD. By using LDP Answer: A QUESTION 111 The OSPF database of a router shows LSA types 1, 2, 7, and 3 default router only. Which type of area is this router connected to? A. stub area B. totally stubby area C. NSSA totally stub D. NSSA Answer: D QUESTION 112 Refer to the exhibit. Which option represents the minimal configuration that allows inbound traffic from the 172.16.1.0/24 network to successfully enter router R, while also limiting spoofed 10.0.0.0/8 hosts that could enter router R?



A. (config)#ip cef (config)#interface fa0/0 (config-if)#ip verify unicast source reachable-via rx allow-default B. (config)#ip cef (config)#interface fa0/0 (config-if)#ip verify unicast source reachable-via rx C. (config)#no ip cef (config)#interface fa0/0 (config-if)#ip verify unicast source reachable-via rx D. (config)#interface fa0/0 (config-if)#ip verify unicast source reachable-via any Answer: A QUESTION 113 Which traffic does the following configuration allow? ipv6 access-list cisco permit ipv6 host 2001:DB8:0:4::32 any eq ssh line vty 0 4 ipv6 access-class cisco in A. all traffic to vty 0 4 from source 2001:DB8:0:4::32 B. only ssh traffic to vty 0 4 from source all C. only ssh traffic to vty 0 4 from source 2001:DB8:0:4::32 D. all traffic to vty 0 4 from source all Answer: C Explanation: Here we see that the Ipv6 access list called "cisco" is being applied to incoming VTY connections to the router. Ipv6 access list has just one entry, which allows only the single Ipv6 IP address of 2001:DB8:0:4::32 to connect using SSH only. QUESTION 114 Which three IP SLA performance metrics can you use to monitor enterprise-class networks? (Choose three.) A. Packet loss B. Delay C. bandwidth D. Connectivity E. Reliability F. traps Answer: A B D Explanation: Performance metrics collected by IP SLAs operations include the following \* Delay (both round-trip and one-way) \* Jitter (directional) \* Packet loss (directional) \* Packet sequencing (packet ordering) \* Path (per hop) \* Connectivity (directional) \* Server or website download time \* Voice quality scores

[http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipsla/configuration/15-mt/sla-15-mt-book/sla\\_overview.html](http://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipsla/configuration/15-mt/sla-15-mt-book/sla_overview.html) QUESTION 115 A

network administrator notices that the BGP state drops and logs are generated for missing BGP hello keepalives. What is the potential problem? A. Incorrect neighbor options B. Hello timer mismatch C. BGP path MTU enabled D. MTU mismatch Answer: D Explanation: BGP neighbors form; however, at the time of prefix exchange, the BGP state drops and the logs generate missing BGP hello keepalives or the other peer terminates the session. Here are some possible causes: \* The interface MTU on both routers do not match. \* The interface MTU on both routers match, but the Layer 2 domain over which the BGP session is formed does not match. \* Path MTU discovery determined the incorrect max datasize for the TCP BGP session. \* The BGP Path Maximum Transmission Unit Discovery (PMTUD) could be failing due to PMTUD ICMP packets blocked (firewall or ACL)

<http://www.cisco.com/c/en/us/support/docs/ip/border-gateway-protocol-bgp/116377-troubleshoot-bgp-mtu.html> QUESTION 116 Which access list entry checks for an ACK within a packet header? A. access-list 49 permit ip any any eq 21 tcp-ack B. access-list 49 permit tcp any any eq 21 tcp-ack C. access-list 149 permit tcp any any eq 21 established D. access-list 49 permit tcp any any eq 21 established Answer: C QUESTION 117 You are implementing WAN access for an enterprise network while running applications that require a fully meshed network, which two design standards are appropriate for such an environment? (Choose two) A. A centralized DMVPN solution to simplify connectivity for the enterprise B. A dedicated WAN distribution layer to consolidate connectivity to remote sites C. A collapsed core and distribution layer to minimize costs D. Multiple MPLS VPN connections with static routing E. Multiple MPLS VPN connections with dynamic routing Answer: A B Explanation: With DMVPN phase 2 and 3, spokes can speak with each other directly like they are directly connected in a meshed network. This simplifies the connectivity for the enterprise -> Answer A is correct. Another way to run applications that require a fully meshed network is through a WAN

distribution layer that is connected to all remote sites. Therefore these sites can communicate with each other via this WAN distribution layer.

QUESTION 118 Which task do you need to perform first when you configure IP SLA to troubleshoot a network connectivity issue?

A. Specify the test frequency  
B. Enable the ICMP echo operation  
C. Schedule the ICMP echo operation  
D. Verify the ICMP echo operation

Answer: B

QUESTION 119 Which protocol does VRF-Lite support?

A. IS-IS  
B. OSPF  
C. EIGRP  
D. IGRP

Answer: C

QUESTION 120 Which two features are provided by EIGRP for IPv6? (choose two)

A. Backbone areas  
B. SPF algorithm  
C. Partial updates  
D. Area border router  
E. Scaling

Answer: CE

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