QUESTION 135
In a Cisco SD-Access solution, what is the role of the Identity Services Engine?

A. It is leveraged for dynamic endpoint to group mapping and policy definition.
B. It provides GUI management and abstraction via apps that share context.
C. it is used to analyze endpoint to app flows and monitor fabric status.
D. It manages the LISP EID database.

Correct Answer: A

QUESTION 136
An engineer must create an EEM script to enable OSPF debugging in the event the OSPF neighborship goes down. Which script must the engineer apply?

```
event manager applet ENABLE_OSPF_DEBUG
  event syslog pattern "%OSPF-5-ADJCHG: Process 5, Nbr 1.1.1.1 on Serial0/0 from LOADING to FULL"
  action 1.0 cli command "enable"
  action 2.0 cli command "debug ip ospf event"
  action 3.0 cli command "debug ip ospf adj"
  action 4.0 syslog priority informational msg "ENABLE_OSPF_DEBUG"

event manager applet ENABLE_OSPF_DEBUG
  event syslog pattern "%OSPF-5-ADJCHG: Process 5, Nbr 1.1.1.1 on Serial0/0 from LOADING to FULL"
  action 1.0 cli command "debug ip ospf event"
  action 2.0 cli command "debug ip ospf adj"
  action 3.0 syslog priority informational msg "ENABLE_OSPF_DEBUG"

event manager applet ENABLE_OSPF_DEBUG
  event syslog pattern "%OSPF-5-ADJCHG: Process 6, Nbr 1.1.1.1 on Serial0/0 from FULL to DOWN"
  action 1.0 cli command "enable"
  action 2.0 cli command "debug ip ospf event"
  action 3.0 cli command "debug ip ospf adj"
  action 4.0 syslog priority informational msg "ENABLE_OSPF_DEBUG"

event manager applet ENABLE_OSPF_DEBUG
  event syslog pattern "%OSPF-1-ADJCHG: Process 5, Nbr 1.1.1.1 on Serial0/0 from FULL to DOWN"
  action 1.0 cli command "debug ip ospf event"
  action 2.0 cli command "debug ip ospf adj"
  action 3.0 syslog priority informational msg "ENABLE_OSPF_DEBUG"
```

A. Option A
B. Option B
C. Option C
D. Option D

Correct Answer: C

QUESTION 137
When does a Cisco StackWise primary switch lose its role?

A. when a stack member fails
B. when the stack primary is reset
C. when a switch with a higher priority is added to the stack
D. when the priority value of a stack member is changed to a higher value

Correct Answer: C

QUESTION 138
Which two network problems Indicate a need to implement QoS in a campus network? (Choose two.)

A. port flapping
B. excess jitter
C. misrouted network packets
D. duplicate IP addresses
E. bandwidth-related packet loss

Correct Answer: BE

QUESTION 139
An engineer is concerned with the deployment of new application that is sensitive to inter-packet delay variance. Which command configures the router to be the destination of jitter measurements?

A. Router(config)# ip sla responder udp-connect 172.29.139.134 5000
B. Router(config)# ip sla responder tcp-connect 172.29.139.134 5000
C. Router(config)# ip sla responder udp-echo 172.29.139.134 5000
D. Router(config)# ip sla responder tcp-echo 172.29.139.134 5000

Correct Answer: C

QUESTION 140
DRAG DROP
Drag and drop the characteristics from the left onto the orchestration tools that they describe on the right.
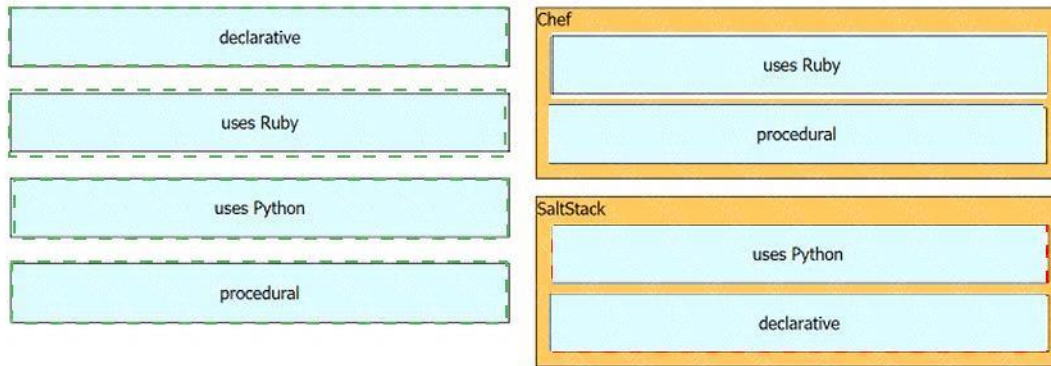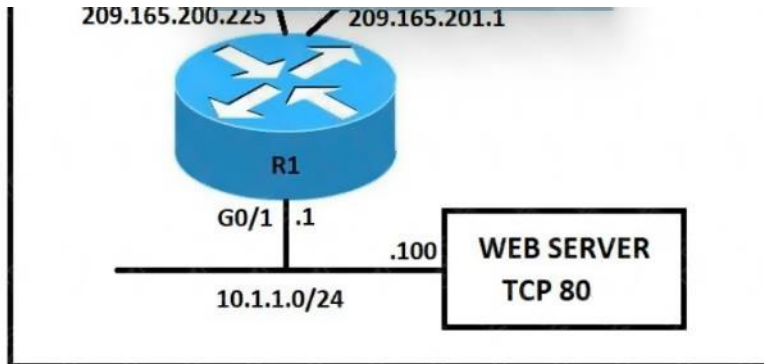

Correct Answer:

QUESTION 141
Refer to the exhibit. An engineer must configure static NAT on R1 lo allow users HTTP access to the web server on TCP port 80. The web server must be reachable through ISP 1 and ISP 2. Which command set should be applied to R1 to fulfill these requirements?


A. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80 extendable
    ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80 extendable
B. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80
    ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80
C. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80
    ip nat inside source static tcp 10.1.1.100 8080 209.165.201.1 8080
D. ip nat inside source static tcp 10.1.1.100 80 209.165.200.225 80 no-alias
    ip nat inside source static tcp 10.1.1.100 80 209.165.201.1 80 no-alias

Correct Answer: B

QUESTION 142
Refer to Exhibit. MTU has been configured on the underlying physical topology, and no MTU command has been configured on the tunnel interfaces. What happens when a 1500-byte IPv4 packet traverses the GRE tunnel from host X to host Y, assuming the DF bit is cleared?
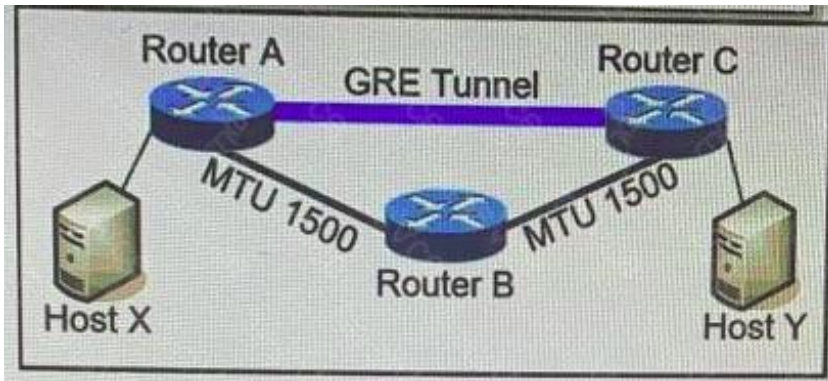
A. The packet arrives on router C without fragmentation.
B. The packet is discarded on router A
C. The packet is discarded on router B
D. The packet arrives on router C fragmented.

Correct Answer: D
Explanation:

Like any protocol, using GRE adds a few bytes to the size of data packets. This must be factored into the MSS and MTU settings for packets. If the MTU is 1,500 bytes and the MSS is 1,460 bytes (to account for the size of the necessary IP and TCP headers), the addition of GRE 24-byte headers will cause the packets to exceed the MTU:

1,460 bytes [payload] + 20 bytes [TCP header] + 20 bytes [IP header] + 24 bytes [GRE header + IP header] = 1,524 bytes

As a result, the packets will be fragmented. Fragmentation slows down packet delivery times and increases how much compute power is used, because packets that exceed the MTU must be broken down and then reassembled.

QUESTION 143
Which DHCP option provides the CAPWAP APs with the address of the wireless controller(s)?

A. 43
B. 66
C. 69
D. 150

Correct Answer: A

QUESTION 144
An engineer is troubleshooting the Ap join process using DNS. Which FQDN must be resolvable on the network for the access points to successfully register to the WLC?

A. wlcbostname.domain.com
B. cisco-capwap-controller.domain.com
C. ap-manager.domain.com
D. primary-wlc.domain.com

Correct Answer: B
Explanation:
DNS: If you have configured your DHCP server to provide both option 006 (DNS server address) and option 015 (domain name) information, the AP can obtain WLC addresses from the DNS server. The process works as follows:

1. The AP gets its IP address from DHCP with options 6 and 15 configured.
2. The AP can obtain the IP address of the DNS server from the DHCP option.
3. The AP uses this information to perform a hostname lookup using CISCO-CAPWAP-CONTROLLER.<localdomain>, which resolves to available WLC management interface IP addresses (IPv4 or IPv6, or both).
4. The AP can then perform a directed message to associate to responsive WLCs.

To prevent all APs from joining a single controller based on a DNS name resolution, the domain name may vary; this is what is done to dispatch APs to different controllers across the enterprise network, based on different domain names that are configured in their respective DNS scopes.

QUESTION 145
What is one difference between saltstack and ansible?

A. SaltStack uses an API proxy agent to program Cisco boxes on agent mode, whereas Ansible uses a Telnet connection
B. SaltStack uses the Ansible agent on the box, whereas Ansible uses a Telnet server on the box
C. SaltStack is constructed with minion, whereas Ansible is constructed with YAML
D. SaltStack uses SSH to interact with Cisco devices, whereas Ansible uses an event bus

Correct Answer: C

QUESTION 146
What is a characteristic of a virtual machine?

A. It must be aware of other virtual machines, in order to allocate physical resources for them
B. It is deployable without a hypervisor to host it
C. It must run the same operating system as its host
D. It relies on hypervisors to allocate computing resources for it

Correct Answer: D

QUESTION 147
DRAG DROP
Drag and drop the snippets onto the blanks within the code to construct a script that advertises the network prefix 192.168.5.0/24 into a BGP session. Not all options are used