A. The administrator can make configuration updates from the CLI.
B. It uses northbound and southbound APIs to communicate between architectural layers.
C. It moves the control plane to a central point.
D. It decentralizes the control plane, which allows each device to make its own forwarding decisions.
E. It uses Telnet to report system issues.

Correct Answer: AC
Explanation

Explanation/Reference:

QUESTION 32
Which attribute does a router use to select the best path when two or more different routes to the same destination exist from two different routing protocols?

A. dual algorithm
B. metric
C. administrative distance
D. hop count

Correct Answer: D
Explanation

Explanation/Reference:

QUESTION 33
Refer to Exhibit.

CertBus-SW2
vtp domain cisco
vtp mode transparent
vtp password ciscotest
interface fastethernet0/1
        description connection to CertBus-SW1
        switchport mode trunk
        switchport trunk encapsulation dot1q

How does SW2 interact with other switches in this VTP domain?

A. It processes VTP updates from any VTP clients on the network on its access ports.
B. It receives updates from all VTP servers and forwards all locally configured VLANs out all trunk ports.
C. It forwards only the VTP advertisements that it receives on its trunk ports.
D. It transmits and processes VTP updates from any VTP Clients on the network on its trunk ports.

Correct Answer: C
Explanation

Explanation/Reference:

QUESTION 34
Which unified access point mode continues to serve wireless clients after losing connectivity to the Cisco Wireless LAN Controller?

A. sniffer
B. mesh
C. flexconnect
D. local

Correct Answer: B
Explanation

QUESTION 35
Which two encoding methods are supported by REST APIs? (Choose two)

A. YAML
B. JSON
C. EBCDIC
D. SGML
E. XML

Correct Answer: AE
Explanation

QUESTION 36
What are two reasons that cause late collisions to increment on an Ethernet interface? (Choose two)

A. when the sending device waits 15 seconds before sending the frame again
B. when the cable length limits are exceeded
C. when one side of the connection is configured for half-duplex
D. when Carner Sense Multiple Access/Collision Detection is used
E. when a collision occurs after the 32nd byte of a frame has been transmitted

Correct Answer: CE
Explanation

QUESTION 37
Router A learns the same route from two different neighbors, one of the neighbor routers is an OSPF neighbor and the other is an EIGRP neighbor.

What is the administrative distance of the route that will be installed in the routing table?

A. 20
B. 90
C. 110
D. 115

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 38

What is the primary effect of the spanning-tree portfast command?

A. it enables BPDU messages
B. It minimizes spanning-tree convergence time
C. It immediately puts the port into the forwarding state when the switch is reloaded
D. It immediately enables the port in the listening state

Correct Answer: A
Explanation

QUESTION 39
What is the default behavior of a Layer 2 switch when a frame with an unknown destination MAC address is received?

A. The Layer 2 switch drops the received frame.
B. The Layer 2 switch floods packets to all ports except the receiving port in the given VLAN.
C. The Layer 2 switch sends a copy of a packet to CPU for destination MAC address learning.
D. The Layer 2 switch forwards the packet and adds the destination MAC address to its MAC address table.

Correct Answer: B
Explanation

Explanation/Reference:

QUESTION 40
Refer to the exhibit.

```
ip arp inspection vlan 5-10
interface fastethernet 0.1
      switchport mode access
      switchport access vlan 5
```

What is the effect of this configuration?

A. All ARP packets are dropped by the switch.
B. Egress traffic is passed only if the destination is a DHCP server.
C. All ingress and egress traffic is dropped because the interface is untrusted.
D. The switch discard all ingress ARP traffic with invalid MAC-to-IP address bindings.

Correct Answer: D
Explanation

Explanation/Reference:

QUESTION 41
Refer to the exhibit.

```
CertBus-R2#show ip nat translations
Pro      Inside global        Inside local       Outside local        Outside global
tcp      172.23.104.3:43268   10.4.4.4:43268     172.23.103.10:23     172.23.103.10:23
tcp      172.23.104.4:45507   10.4.4.5:45507     172.23.103.10:80     172.23.103.10:80
```

An engineer configured NAT translations and has verified that the configuration is correct.

Which IP address is the source IP?

A. 10.4.4.4
B. 10.4.4.5
C. 172.23.103.10
D. 172.23.104.4

Correct Answer: C
Explanation

Explanation/Reference:

QUESTION 42
Refer to the exhibit.

```
CertBus-R1#show ip route

D       192.168.16.0/26 [90/2679326] via 192.168.1.1
R       192.168.16.0/24 [120/3] via 192.168.1.2
O       192.168.16.0/21 [110/3] via 192.168.1.3
i L1    192.168.16.0/27 [115/3] via 192.168.1.4
```

Which route does R1 select for traffic that is destined to 192 168.16.2?

A. 192.168.16.0/21
B. 192.168.16.0/24
C. 192.168 26.0/26
D. 192.168.16.0/27

Correct Answer: D
Explanation

Explanation/Reference:

QUESTION 43
Which IPv6 address block sends packets to a group address rather than a single address?

A. 2000::/3
B. FC00::/7
C. FE80::/10
D. FF00::/8

Correct Answer: C
Explanation

QUESTION 44
Which two values or settings must be entered when configuring a new WLAN in the Cisco Wireless LAN Controller GUI? (Choose two)

A. management interface settings
B. QoS settings
C. Ip address of one or more access points
D. SSID
E. Profile name

Correct Answer: DE
Explanation

QUESTION 45
Which two actions influence the EIGRP route selection process? (Choose two)

A. The router calculates the reported distance by multiplying the delay on the exiting Interface by 256.
B. The router calculates the best backup path to the destination route and assigns it as the feasible successor.
C. The router calculates the feasible distance of all paths to the destination route.
D. The advertised distance is calculated by a downstream neighbor to inform the local router of the bandwidth on the link.
E. The router must use the advertised distance as the metric for any given route.

Correct Answer: AD
Explanation

Explanation/Reference:

QUESTION 46
Refer to Exhibit.
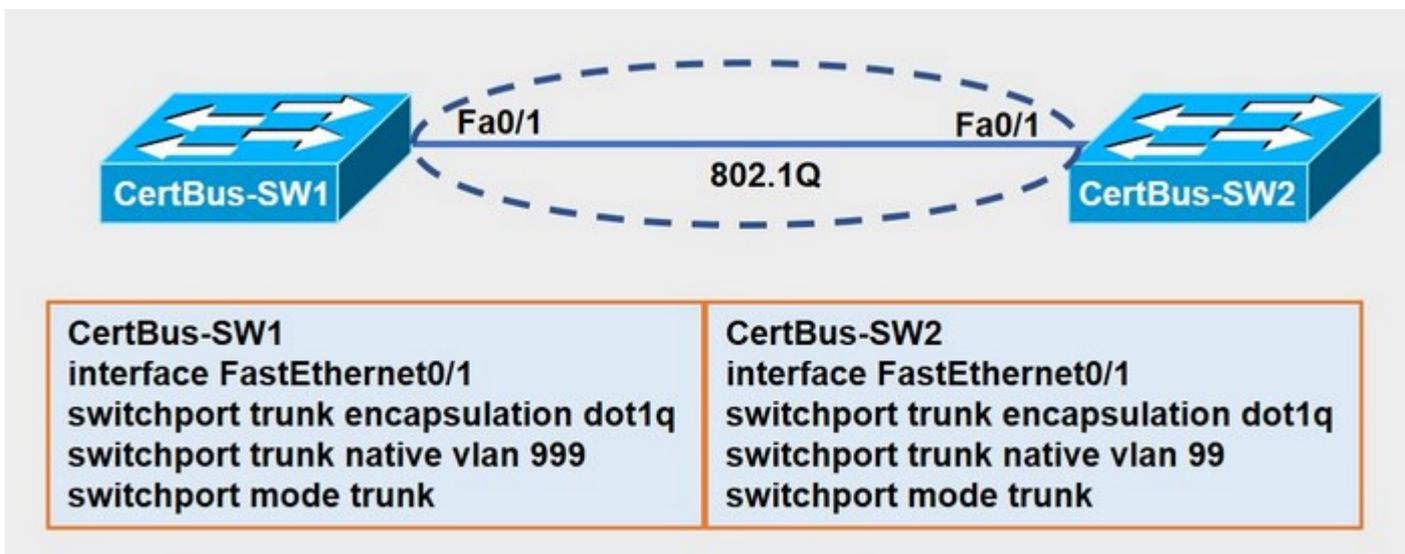
Which action do the switches take on the trunk link?