Exam Questions 200-301

Cisco Certified Network Associate

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NEW QUESTION 1
When configuring IPv6 on an interface, which two IPv6 multicast groups are joined? (Choose two)

A. 2000::/3
B. 2002::5
C. FC00::/7
D. FF02::1
E. FF02::2

Answer: DE

NEW QUESTION 2
Which type of wireless encryption is used for WPA2 in preshared key mode?

A. TKIP with RC4
B. RC4
C. AES-128
D. AES-256

Answer: D

NEW QUESTION 3
in Which way does a spine and-leaf architecture allow for scalability in a network when additional access ports are required?

A. A spine switch and a leaf switch can be added with redundant connections between them
B. A spine switch can be added with at least 40 GB uplinks
C. A leaf switch can be added with a single connection to a core spine switch.
D. A leaf switch can be added with connections to every spine switch

Answer: D

NEW QUESTION 4
Which two actions are performed by the Weighted Random Early Detection mechanism? (Choose two)

A. It drops lower-priority packets before it drops higher-priority packets
B. It can identify different flows with a high level of granularity
C. It guarantees the delivery of high-priority packets
D. It can mitigate congestion by preventing the queue from filling up
E. IT supports protocol discovery

Answer: BD

NEW QUESTION 5
What is a benefit of using a Cisco Wireless LAN Controller?

A. Central AP management requires more complex configurations
B. Unique SSIDs cannot use the same authentication method
C. It supports autonomous and lightweight APs
D. It eliminates the need to configure each access point individually

Answer: D

NEW QUESTION 6
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

Answer: B

NEW QUESTION 7
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

Answer: C

NEW QUESTION 8
Refer to the exhibit.

```
[root@HostTest ~]# ip route
default via 192.168.1.193 dev eth1  proto static
192.168.1.0/26 dev eth1  proto kernel  scope link  src 192.168.1.200  metric 1

[root@HostTest ~]# ip addr show eth1
eth1:  mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:0C:22:83:79:A3 brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.200/26 brd 192.168.1.255 scope global eth1
    inet6 fe80::20c:29ff:fe89:79b3/64 scope link
    valid_lft forever preferred_lft forever
```

Drag and drop the networking parameters from the left onto the correct values on the right. Check the answer below.

NIC MAC address

default gateway

subnet mask

host IP address

NIC vendor OUI

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NIC MAC address

default gateway

subnet mask

host IP address

NIC vendor OUI

NEW QUESTION 9
Which feature on the Cisco Wireless LAN Controller when enabled restricts management access from specific networks?

A. CPUACL
B. TACACS
C. Flex ACL
D. RADIUS

Answer: B

NEW QUESTION 10
A user configured OSPF in a single area between two routers A serial interface connecting R1 and R2 is running encapsulation PPP By default which OSPF
network type is seen on this interface when the user types show ip ospf interface on R1 or R2?

A. port-to-multipoint
B. broadcast
C. point-to-point
D. nonbroadcast

Answer: C

NEW QUESTION 10
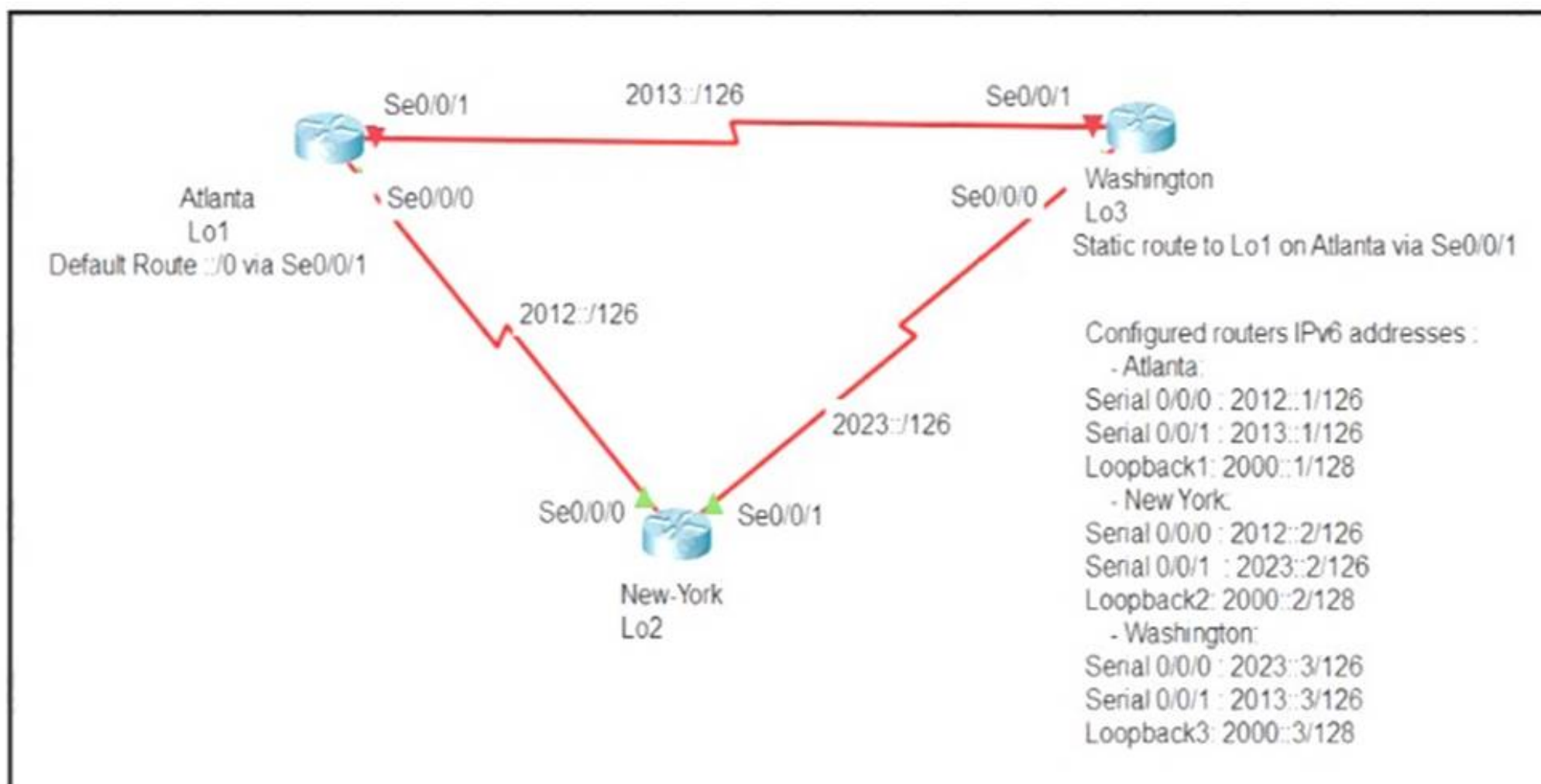Which mode allows access points to be managed by Cisco Wireless LAN Controllers?

A. autonomous
B. lightweight
C. bridge
D. mobility express

Answer: B

NEW QUESTION 14
Refer to Exhibit.

An engineer is configuring the NEW York router to reach the Lo1 interface of the Atlanta router using interface Se0/0/0 as the primary path. Which two commands must be configured on the New York router so that it can reach the Lo1 interface of the Atlanta router via Washington when the link between New York and Atlanta goes down? (Choose two)

A. ipv6 router 2000::1/128 2012::1
B. ipv6 router 2000::1/128 2012::1 5
C. ipv6 router 2000::1/128 2012::2
D. ipv6 router 2000::1/128 2023::2 5
E. ipv6 router 2000::1/128 2023::3 5

Answer: DE

NEW QUESTION 16
Refer to the exhibit.

```
Router#
Capability Codes: R - Router, T - Trans Bridge, B - Source Route Bridge
                  S - Switch, H - Host, I - IGMP, r - Repeater, P - Phone,
                  D - Remote, C - CVTA, M - Two-port Mac Relay

Device ID    Local Intrfce Holdtme Capability Platform  Port ID
10.1.1.2     Gig 37/3      176                R I  CPT 600 Gig 36/41
10.1.1.2     Gig 37/1      174                R I  CPT 600 Gig 36/43
10.1.1.2     Gig 36/41     134                R I  CPT 600 Gig 37/3
10.1.1.2     Gig 36/43     134                R I  CPT 600 Gig 37/1
10.1.1.2     Ten 3/2       132                R I  CPT 600 Ten 4/2
10.1.1.2     Ten 4/2       174                R I  CPT 600 Ten 3/2
```

Which command provides this output?

A. show ip route
B. show ip interface
C. show interface
D. show cdp neighbor

Answer: D

NEW QUESTION 20
Which result occurs when PortFast is enabled on an interface that is connected to another switch?

A. Spanning tree may fail to detect a switching loop in the network that causes broadcast storms
B. VTP is allowed to propagate VLAN configuration information from switch to switch automatically.
C. Root port choice and spanning tree recalculation are accelerated when a switch link goes down
D. After spanning tree converges PortFast shuts down any port that receives BPDUs.

Answer: A

NEW QUESTION 22
Refer to exhibit.

```
Router(config)#interface GigabitEthernet 1/0/1
Router(config-if)#ip address 192.168.16.143 255.255.255.240
Bad mask /28 for address 192.168.16.143
```

Which statement explains the configuration error message that is received?

A. It is a broadcast IP address
B. The router does not support /28 mask.
C. It belongs to a private IP address range.
D. IT is a network IP address.

Answer: A

NEW QUESTION 26
Drag and drop the descriptions of file-transfer protocols from the left onto the correct protocols on the right.

provides reliability when loading an IOS image upon boot up	**FTP**
does not require user authentication	
uses port 69	
uses ports 20 and 21	**TFTP**
uses TCP	
uses UDP	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

provides reliability when loading an IOS image upon boot up	**FTP**
does not require user authentication	provides reliability when loading an IOS image upon boot up
uses port 69	uses ports 20 and 21
uses ports 20 and 21	uses TCP
uses TCP	**TFTP**
uses UDP	does not require user authentication
	uses port 69
	uses UDP

NEW QUESTION 28
When a site-to-site VPN is used, which protocol is responsible for the transport of user data?

A. IKEv2
B. IKEv1
C. IPsec
D. MD5

Answer: C

NEW QUESTION 30
Which MAC address is recognized as a VRRP virtual address?

A. 0000.5E00.010a

B. 0005.3711.0975
C. 0000.0C07.AC99
D. 0007.C070/AB01

Answer: A

NEW QUESTION 34
Drag and drop the WLAN components from the left onto the correct descriptions on the right.

access point

virtual interface

dynamic interface

service port

wireless LAN controller

A. Mastered
B. Not Mastered

Answer: A

Explanation:
5:1
1:2
2:4
4:3
3:5

NEW QUESTION 39
Refer to the exhibit.

```
Gateway of last resort is 10.12.0.1 to network 0.0.0.0

O*E2    0.0.0.0/0 [110/1] via 10.12.0.1, 00:00:01, GigabitEthernet0/0
        10.0.0.0/8 is variably subnetted, 2 subnets, 2 masks
C       10.0.0.0/24 is directly connected, GigabitEthernet0/0
L       10.0.0.2/32 is directly connected, GigabitEthernet0/0
C       10.13.0.0/24 is directly connected, GigabitEthernet0/1
L       10.13.0.2/32 is directly connected, GigabitEthernet0/1
```

If configuring a static default route on the router with the ip route 0.0.0.0 0.0.0.0 10.13.0.1 120 command how does the router respond?

A. It ignores the new static route until the existing OSPF default route is removed
B. It immediately replaces the existing OSPF route in the routing table with the newly configured static route
C. It starts load-balancing traffic between the two default routes
D. It starts sending traffic without a specific matching entry in the routing table to GigabitEthernetO/1

Answer: D

NEW QUESTION 44
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