Cisco Exam Questions 400-201
CCIE SP CCIE Service Provider Written Exam

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NEW QUESTION 1
- (Topic 1)
What is MPLS VPN component used by Multi-VRF solution?

A. Route target community
B. Route distinguisher
C. Default MDT
D. VPN forwarding

Answer: B

NEW QUESTION 2
- (Topic 2)
Which two restrictions of the trunk EFP are true? (Choose two)

A. A bridge-domain number that is part of trunk EFP configuration can be shared only by other EFP if under the same port or interface
B. Features about encapsulations specification are not supported
C. Only one trunk port EFP can be configured under one port or interface
D. Features that requires VLAN-specific values must be removed form the EFP trunk to from individual EFPs
E. It supports only static EFPs that are user-configurable

Answer: CD

NEW QUESTION 3
DRAG DROP - (Topic 3)
Drag and drop the characteristics of the MVPN on the left onto the correct MVPN profile on the right

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Profile 3 - with Rosen GRE with BGP-AD
1. PIM sparse mode is supported
2. PIM SSM support only
3. Link protection support only
4. LSPs must originate and terminate in the same IGP area
5. Support inter-AS option C

Profile 8 - Global P2MP TE
1. PIM SSM support only
2. Link protection support only
3. LSPs must originate and terminate in the same IGP area

NEW QUESTION 4
- (Topic 3)
In which way does the DS-Lite IPv6 transitioning mechanism differ from IPv6 Dual-Stack?

A. DS-Lite is a combination of tunnel and translation technologies.
B. DS-Lite is a transition technology that gives full IPv6 connectivity for IPv6 capable hosts that are on the IPv4 Internet but have no native connection to an IPv6 network.
C. DS-Lite is an automatic tunnel where the tunnel destination is determined by the IPv4 address extracted from the IPv6 address that starts with the prefix

Answer: B
2002::/16.
D. DS-Lite is a stateless tunneling mechanism with a lightweight and secure manner without requiring upgrades to existing IPv4 access network infrastructure.

Answer: A

NEW QUESTION 5
- (Topic 3)
In Cisco IOS XR Software Multicast Routing Implementation, which three features are supported in IPv6 on Cisco CSR routers? (Choose three.)

A. Multicast NSF
B. PIM-SSM
C. OOR handling
D. Aggregation multicast
E. Integrated multicast
F. PIM-Bidirectional

Answer: ABF

NEW QUESTION 6
- (Topic 3)
In the Internet of things architecture, which two options are considered nodes in Low-power Lossy networks? (Choose two)

A. Routers
B. Servers
C. Sensors
D. Access points
E. Controllers

Answer: A

NEW QUESTION 7
DRAG DROP - (Topic 3)
According to MEF definition, drag and drop the EVP types on the left onto the correct EVC services. Not all options are used

A. Mastered
B. Not Mastered

Answer: A

Explanation:
NEW QUESTION 8
- (Topic 3)
A security agency wants to use the services of the service provider to interconnect the remote sites. However, they do not want to share the IP addresses of their sites and they want end-to-end security.
Which three services meet the design requirements? (Choose three.)

A. client mode VPN  
B. tunnel mode VPN  
C. L2VPN  
D. L3VPN  
E. PPTP  
F. SSL VPN

Answer: ABC

NEW QUESTION 9
DRAG DROP - (Topic 3)
Drag and drop PIM mode from the left onto the corresponding characteristic on the right. Not all options are used

A. Mastered  
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 10
- (Topic 3)
The origin is a mandatory attribute that defines the origin of the path information.
Which three options are valid origin attributes? (Choose three.)

A. IBGP: NLRI is learned via intra-AS BGP.  
B. EBGP: NLRI is learned via inter-AS BGP.  
C. IGP: NLRI is interior to the AS of origination.  
D. EGP: NLRI is learned via EGP.  
E. INCOMPLET  
F. NLRI is unknown or learned some other way.

Answer: CDE

NEW QUESTION 11
DRAG DROP - (Topic 3)
NEW QUESTION 12
- (Topic 4)
An architecture that utilizes PPPoE deals with IP address allocation by what type of negotiation?

A. NIS
B. IPCP
C. RADIUS
D. LDAP

Answer: B

NEW QUESTION 13
- (Topic 4)
An ISP provides MPLS L3VPN services and is required to set up a multicast VPN. Which routers will be enabled with MDT to support a multicast VPN?

A. All service provider routers participating in the multicast VPN.
B. All service provider route reflectors.
C. All service provider PE routers.
D. All service provider P routers.
E. All service providers P, PE and route reflector routers.

Answer: A

NEW QUESTION 14
- (Topic 4)
Which statement about Frame Relay is not true?

A. Static mapping is used when the remote router does not support Inverse ARP.
B. Frame Relay Inverse ARP requires LMI capability to construct an address to the DLCI mapping table on the router.
C. Frame Relay Inverse ARP is disabled by default in Cisco IOS Software for all protocols that are enabled on the physical interface.
D. Inverse ARP does not work when LMI is disabled.
E. Frame Relay provides forward and backward congestion notification messages.

Answer: C

NEW QUESTION 15
- (Topic 4)
In which three scenarios does multihoming in IS-IS work? (Choose three.)

A. merging Level 1 areas
B. splitting the Level 1 area
C. renumbering NSAP addresses
D. modifying the system ID
E. merging Level 2 areas
F. splitting the Level 2 area
G. creating an alternative path to the exit point
NEW QUESTION 16
- (Topic 4)
Refer to the exhibit.

```
RR# show ip bgp 192.168.1.0
BGP routing table entry for 192.168.1.0/24, version 13
Paths: (2 available, best #2)
Flag: 0x900
    Advertised to update-groups:
    1
    Local, (Received from a RR-client)
    10.10.10.21 (inaccessible) from 10.10.10.21 (10.10.10.21)
           Origin IGP, metric 0, localpref 100, valid, internal
    Local, (Received from a RR-client)
    10.10.10.22 (metric 41) from 10.10.10.22 (10.10.10.22)
           Origin IGP, metric 0, localpref 100, valid, internal, best
```

Which BGP feature causes the BGP RIB entry "inaccessible"?

A. BGP synchronization
B. eBGP multihop
C. BGP scanner
D. BGP NHT

Answer: D

NEW QUESTION 17
- (Topic 4)
Two routers that use a POS interface are connected back-to-back. The interfaces are operational with no alarms appearing. When the routers are connected using an SDH network, alarms appear on the router and the interface status goes down. Which action will fix this issue?

A. Reset the POS interface.
B. Check the ADM switch for correct framing.
C. Change the framing type on the router POS interface.
D. Swap the POS interface.

Answer: C

NEW QUESTION 18
- (Topic 4)
Which three options are reasons to deploy BFD? (Choose three.)

A. BFD is a fast hello protocol that exhibits lower overhead than aggressive hellos.
B. BFD is a fast hello protocol that provides reaction time under a second.
C. BFD is a fast hello protocol that provides reaction time over a second.
D. BFD provides fast converges to Layer 2 bundling protocol LAGs.
E. HSRP protocol supports BFD.
F. BFD uses a reliable transport for Hello packets, which increases the fast converge if an ACK is not received.

Answer: ABE

NEW QUESTION 19
- (Topic 4)
Which of the following is reported in the LMI regular status polling? (Choose three.)

A. Addition or Deletion of PVC.
B. PVC status (active or inactive).
C. Link integrity.
D. None of the other alternatives apply.

Answer: ABC

NEW QUESTION 20
- (Topic 5)
Refer to the exhibit.
The service provider is an MPLS and IPv4 enabled network. Which two approaches can enable IPv6 tunneling between site A and site B over the backbone? (Choose two.)

A. IPv6 customer premise (6CP) over MPLS
B. IPv6 VPN provider edge (6VPE) over MPLS
C. IPv6 virtual forwarding (6VF) over MPLS
D. IPv6 forwarding instance (6FI) over MPLS
E. IPv6 provider edge router (6PE) over MPLS

Answer: BE

NEW QUESTION 21

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