Cisco

Exam Questions 300-101

ROUTE Implementing Cisco IP Routing
NEW QUESTION 1
Drag and drop the statements from the left onto the correct uRPF modes on the right
Select and Place:

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 2
Which two statements are true of the OSPF link-state routing protocol? (Choose two.)

A. Using the Bellman-Ford algorithm, each OSPF router independently calculates its best paths to all destinations in the network.
B. Using the DUAL algorithm, each OSPF router independently calculates its best paths to all destinations in the network.
C. OSPF sends summaries of individual link-state entries every 30 minutes to ensure LSDB synchronization.
D. OSPF sends triggered updates when a network change occurs
E. OSPF sends updates every 10 seconds
F. When a link changes state, the router that detected the change creates a link-state advertisement (LSA) and propagates it to all OSPF devices using the
224.0.0.6 multicast address.

Answer: CD

NEW QUESTION 3
which phase of dmpvn spoke to spoke communications?
A. phase2
B. phase4C
C. phase5
D. phase6
E. phase1

Answer: A

NEW QUESTION 4
Drag and drop the statements about NAT64 from the left onto the correct NAT64 types on the right.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 5
Which two routers can do OSPF route summarization? (Choose Two)
A. ABR
B. ASBR
C. Summary router
D. Internal router
E. Backbone router

Answer: AB

NEW QUESTION 6
Which two configurations does a PPPoE client support? (Choose two)

A. The client is installed on the same network device as the server
B. The client is connecting over an ATM PVC
C. The client is connected to multiple hosts over DMVPN
D. Eight clients are configured on a single CPE
E. The client is installed on a native IPv6 network

Answer: AB

NEW QUESTION 7
Which two statements are differences between AAA with TACACS+ and AAA with RADIUS? (Choose two)

A. Only RADIUS uses TCP
B. Unlike TACACS+, RADIUS sends packets with only the password encrypted
C. Unlike TACACS+, RADIUS supports accounting and authorization only
D. Only TACACS+ uses TCP
E. Only TACACS+ combines authentication and authorization

Answer: BD

NEW QUESTION 8
Technologies used in preparing Service Provider IPv6? (Choose Two)

A. 6ND
B. 6RD
C. 6VPE
D. VRF-Lite
E. DS-Lite
F. Dual-stack

Answer: BE

NEW QUESTION 9
Which task must you perform to implement EIGRP for IPv6 on a device?

A. Use the ipv6 cef command to enable Cisco Express Forwarding on the device.
B. Configure a loopback interface on the device.
C. Manually configure the router ID
D. Statically configure a neighbor

Answer: C

NEW QUESTION 10
Refer to the exhibit. Which effect of this configuration is true?

A. It designates the interface as a GRE tunnel endpoint
B. It configures 802.1q trunking on the interface
C. It designates the interface as an EVN trunk
D. It removes VTP from the interface

Answer: B

NEW QUESTION 11
What is VRF-Lite?

A. VRF without VPN
B. VRF without MPLS

Answer: A
C. VRF without Cisco Express Forwarding switching
D. VRF without independent routing tables

Answer: C

NEW QUESTION 12
What is the minimum log level for the event generated when an ACL drops a packet?

A. 3
B. 4
C. 5
D. 6
E. 7

Answer: D

NEW QUESTION 13
Refer in the exhibit. A packet capture indicates that the router is not forwarding the DHCP packets that it receives on interface FastEthernet0/0. Which command needs to be entered in global configuration mode to resolve this issue?

A. ip DHCP relay
B. ip helper
C. ip forward-protocol
D. service DHCP

Answer: C

NEW QUESTION 14
Which condition must be met before two EVN devices can connect?

A. An EtherChannel must be configured with at least two interfaces connected between the devices.
B. A fiber connection must be established between the devices.
C. One VLAN interface must be configured between the devices.
D. A trunk interface must be configured between the devices.

Answer: D

NEW QUESTION 15
Which two statements about the OSPF down bit are true? (Choose two)

A. It is set when OSPF routers are redistributed into BGP
B. It is set only for LSA types 1, 2 and 4.
C. It is set when an OSPF virtual link is created.
D. It is set only for LSA types 3, 5, and 7
E. It is set when MP-BGP routers are redistributed into OSPF

Answer: CD

NEW QUESTION 16
A customer requests policy-based routing. Packets arriving from source 209.165.200.225 should be sent to the next hop at 209.165.200.227 with the precedence bit set to priority. Packets arriving from source 209.165.200.226 should be sent to the next hop at 209.165.200.228 with the precedence bit set to critical. Which configuration completes these requirements?

A)
access-list 1 permit 209.165.200.225
class-list 2 permit 209.165.200.226
!
route-map Texas permit 10
match ip address 1
set ip precedence critical
set ip next-hop 209.165.200.227
!
route-map Texas permit 20
match ip address 2
set ip precedence priority
set ip next-hop 209.165.200.228
!
interface ethernet 1
ip policy route-map Texas

B)
access-list 1 permit 209.165.200.227
access-list 2 permit 209.165.200.228
!
route-map Texas permit 10
match ip address 1
set ip precedence priority
set ip next-hop 209.165.200.225
!
route-map Texas permit 20
match ip address 2
set ip precedence critical
set ip next-hop 209.165.200.226
!
interface ethernet 1
ip policy route-map Texas

C)
access-list 1 permit 209.165.200.225
access-list 2 permit 209.165.200.226
!
route-map Texas permit 10
match ip address 1
set ip precedence priority
set ip next-hop 209.165.200.227
!
route-map Texas permit 20
match ip address 2
set ip precedence critical
set ip next-hop 209.165.200.228
!
interface ethernet 1
ip policy route-map Texas

D)
NEW QUESTION 17
What other action does an IPv6 filter do when it drops a packet?
A. generates an ICMP unreachable message
B. Other option
Answer: A

NEW QUESTION 18
In SNMP v3, which security level provides encryption of the data?
A. authNoPriv
B. authMember
C. authPriv
D. noAuthNoPriv
Answer: C

NEW QUESTION 19
Which command is implemented to display log messages with a timestamp that includes the length of time since the device was last rebooted?
A. service timestamps log datetime msec
B. logging facility 20
C. service timestamps debugging localtime
D. logging monitor 7
E. service timestamps log uptime
Answer: E

NEW QUESTION 20
Which command is used to check IP SLA when an interface is suspected to receive lots of traffic with options?
A. show track
B. show threshold
C. show timer
D. show delay
Answer: A

NEW QUESTION 21

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