Vendor: Alcatel-Lucent

Exam Code: 4A0-102

Exam Name: Alcatel-Lucent Border Gateway Protocol

Version: DEMO

QUESTION 1
Which of the following are Link State protocols?

A. BGP
B. RIP
C. OSPF
D. IS-IS

Answer: CD

QUESTION 2
ECMP supports which of the following. Choose the best answer.

A. 8 equal-cost paths per destination learned from any protocol
B. 16 equal-cost paths per destination learned from any protocol
C. 8 equal-cost paths per destination learned from the same protocol and preference
D. 16 equal-cost paths per destination learned from the same protocol and preference
E. 4 equal-cost paths per destination

Answer: D

QUESTION 3
Which of the following statements best describes the function of the RTM?

A. From the router's route table, select the best routes to be installed in the FIB for forwarding data.
B. Based on the metrics of the routing protocol, chose the lowest cost route to be installed in the route table.
C. Apply the BGP route selection criteria to select the best route to be installed in the route table.
D. Select the preferred route from the various routing protocols to be installed as the active route in the route table.
E. Apply the assigned import and export policies to determine the routes to be advertised to the router's neighbors.

Answer: D

QUESTION 4
What items are carried in a typical classless routing update? Select the best answer.

A. network address, mask and metric
B. network address and metric
C. prefix and mask
D. prefix, next-hop and metric
E. prefix and next-hop

Answer: A

QUESTION 5
Choose the most accurate statement about the connections between eBGP peers.

A. eBGP peers are usually directly connected to each other.
B. eBGP peers are always directly connected to each other.
C. eBGP peers are never directly connected to each other.
D. eBGP peers are usually directly connected to each other, unless they are in the same autonomous system.
E. eBGP peers are usually not directly connected to each other, additional configuration is required if they are.

Answer: A

QUESTION 6
What message is issued by a neighbor as a response to a valid Open?

A. Keepalive
B. Open
C. Exchange
D. Notification
E. Ping

Answer: A

QUESTION 7
Which of the following is not exchanged in a BGP Open message?

A. BGP version number
B. The local AS number
C. The hold time
D. The keepalive timer
E. The Router ID

Answer: D

QUESTION 8
The state of one BGP neighbor shows Established, which of the following is false?

A. The router has established a complete session with that neighbor.
B. BGP can exchange update, notification and keepalive messages with that neighbor
C. If the keepalive timer expires, the local system sends a keepalive message and restarts its keepalive timer
D. If the local system receives a notification message, it changes its state to OpenConfirm
   E.Established is the operational state

Answer: D

QUESTION 9
Which of the following is a Well Known Mandatory attribute?

A. Origin Code
B. Local Preference
C. MED
D. AS Path
E. (a) and (d)
F. (b) and (d)

Answer: E

QUESTION 10
Which of the following is true, based on the AS Path list shown here? 65206 65111 65100

A. AS 65206 originated the route
B. AS 65111 is a transit AS
C. AS 65100 is a transit AS
D. AS 65100 originated the route
E. (b) and (d)
F. (a) and (c)

Answer: E

QUESTION 11
Any BGP route selected as best by the route selection criteria will always be in the FIB as the active route.

A. True
B. False

Answer: B

QUESTION 12
If the state of one BGP neighbor shows Connect, which of the following is true?

A. BGP is waiting for the TCP connection to be completed.
B. BGP has established a TCP connection to that neighbor and is waiting for the BGP session to be established.
C. The BGP session has never been initiated with that neighbor.
D. There is an authentication problem with that neighbor.
E. Connect is not a valid BGP state

Answer: A

QUESTION 13
Which statement best applies to BGP?

A. It uses UDP as a transport to save on overhead.

B. It uses IP and no transport protocol to save on overhead.
C. It uses UDP as a transport since reliability is provided elsewhere.
D. It uses TCP as a transport to utilize reliability provided by TCP
E. Reliability of messaging in BGP is achieved by authenticating the session

Answer: D

QUESTION 14
How are BGP neighbors different from traditional IGP neighbors?

A. They are not different, they are exactly the same.
B. BGP neighbors don't exchange routes, IGP neighbors do.
C. IGP neighbors don't exchange routes, BGP neighbors do.
D. BGP neighbors are always directly connected, IGP neighbors are not.
E. IGP neighbors are always directly connected, BGP neighbors are not

Answer: E

QUESTION 15
The default TTL of a BGP control packet sent on an eBGP link is

A. 1
B. 16
C. 32
D. 64
E. 128
F. 255

Answer: A

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