



**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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