



# 4A0-102<sup>Q&As</sup>

Alcatel-Lucent Border Gateway Protocol

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### QUESTION 1

Which of the following statements regarding BGP control plane convergence is FALSE?

- A. Core and edge node failure recovery depends on IGP convergence.
- B. Edge neighbor failure is detected by the eBGP session timeout.
- C. BGP control plane convergence is independent of number of affected prefixes.
- D. Upon BGP control plane convergence, an optimal path is installed in the FIB.

Correct Answer: C

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### QUESTION 2

A BGP router has loopback interfaces 192.168.1.1/27 and 192.168.2.1/27 advertised into BGP using the following export policy. The "aggregate 192.168.0.0/16" command is executed.

What is the effect of this configuration?

```
policy-statement "Export Loopbacks"  
  entry 10  
    from  
      protocol direct  
    exit  
    action accept  
  exit  
exit
```

- A. A single route for 192.168.0.0/16 is advertised.
- B. BGP routes 192.168.1.0/27, 192.168.2.0/27, and 192.168.0.0/16 are advertised.
- C. BGP routes 192.168.1.0/27 and 192.168.2.0/27 are advertised, and 192.168.0.0/16 appears as a "Blackhole" route in the route table only.
- D. The given export policy is invalid.

Correct Answer: C

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### QUESTION 3

Which of the following statements regarding the Internet is FALSE?

- A. It is a global network relying on interconnections provided by Internet service providers.



- B. It is a continuous and interconnected set of public IP networks, advertised and shared across the globe.
- C. It is a settlement-free global network that provides interconnection between Internet service providers.
- D. It is a network that allows any Internet service provider to reach every other Internet service provider in the world.

Correct Answer: C

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#### QUESTION 4

A router in AS 65100 receives two BGP routes. The first route is for 138.1.1.0/24 with an AS Path of 65200 65300, Local Preference of 100, MED of 100, and router ID 10.10.10.10. The second route is for 138.1.0.0/16 with an AS Path of 65500 65300, Local Preference of 150, MED of 100, and router ID

10.1.1.1. Assuming all other attributes are equal, which route would be used to forward an IP packet with destination IP address 138.1.1.1?

- A. The first BGP route.
- B. The second BGP route.
- C. Both routes are used.
- D. It is impossible to determine without the value of the origin code for both routes.

Correct Answer: A

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#### QUESTION 5

Which of the following organizations would an ISP based in Europe approach for an IP prefix assignment?

- A. ARIN
- B. ICANN
- C. RIPE NCC
- D. LACNIC
- E. APNIC

Correct Answer: C

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