Nokia

4A0-C02 Exam

Nokia SRA Composite Exam



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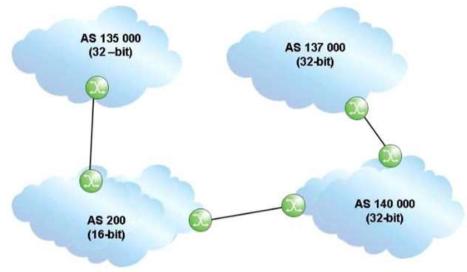
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Version: 8.0

Question: 1

Click the exhibit.



An update travels from AS 135000 to AS 137000, traversing both 32-bit and 16-bit AS paths. What will the AS Path be when the update reaches AS 137000?

- A. 140000 200 135000
- B. 137000 140000 200 135000
- C. 140000 23456 135000
- D. 135000 200 140000

Answer: A

Question: 2

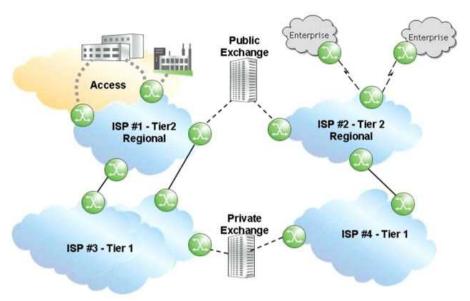
Which of the following is FALSE regarding the 16-bit public autonomous system numbers?

- A. They are allocated to the RIRs by ICANN/IANA.
- B. They are used when connecting ASs on the Internet.
- C. They range from 1 to 56319.
- D. They are assigned by the ISPs for enterprise networks.

Answer: D

Question: 3

Click the exhibit.



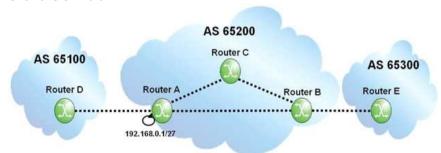
Given that ISP 1 and ISP 2 are Tier 2 providers, and that ISP 3 and ISP 4 are Tier 1 providers, what is the most likely relationship between the ISPs?

- A. ISP 1 and ISP 2 have a public transit relationship, while ISP 3 and ISP 4 have a private transit relationship.
- B. ISP 1 and ISP 2 have a private transit relationship, while ISP 3 and ISP 4 have a public transit relationship.
- C. ISP 1 and ISP 2 have a private peering relationship, while ISP 3 and ISP 4 have a public peering relationship.
- D. ISP 1 and ISP 2 have a public peering relationship, while ISP 3 and ISP 4 have a private peering relationship.

Answer: D

Question: 4

Click the exhibit.



If router A originates an update for prefix 192.168.0.1/27, what will the update contain when it reaches router B?

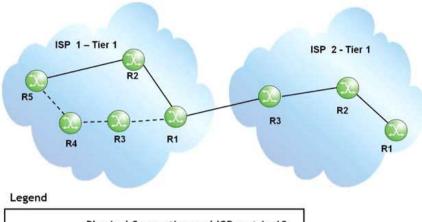
- A. AS Path of 65200, local-preference of 100.
- B. AS Path of 65200, local-preference of None.
- C. Null AS Path, local-preference of 100.

D. Null AS Path, local-preference of None.	
	Answer: C
Question: 5	
BGP is configured on two peers, routers A and B. Router A is configured seconds and a Keepalive timer of 25 seconds. Router B is configured seconds and a Keepalive timer of 70 seconds. What will the active Keepalive timer of 70 seconds.	with a Hold Time timer of 90
A. 70 seconds B. 25 seconds C. 20 seconds D. 30 seconds	
	Answer: C
Question: 6	
Which of the following statements regarding the Internet is FALSE?	
A. It is a global network relying on interconnections provided by InterneB. It is a continuous and interconnected set of public IP networks, adveglobe.C. It is a settlement-free global network that provides interconnection providers.	ertised and shared across the
D. It is a network that allows any Internet service provider to reach provider in the world.	every other Internet service
	Answer: C
Question: 7	
Which of the following is the minimum requirement for an AS to be con	sidered multi-homed?
A. A single connection to a single service provider.B. Two connections to a single service provider.C. Two connections to two different service providers.D. Multiple connections to different service providers.	
	Answer: B
Question: 8	

What are the well-known mandatory BGP attributes?

A. Origin, Next Hop and Local Preference.B. Local preference, AS Path and Next Hop.C. Aggregator, Next Hop and AS Path.	
D. AS Path, Next Hop and Origin.	
	Answer: D
	- Allower B
Question: 9	
Which of the following best describes the relationship between locall direction of traffic?	y configured policies and the
A. Import policies affect the way the local AS receives traffic, while ex sends traffic.	port policies affect the way it
B. Import policies affect the way the local AS sends traffic, while expreceives traffic.	oort policies affect the way it
C. Both import and export policies affect the way the local AS receives traffic.	raffic, but not the way it sends
D. Both import and export policies affect the way the local AS send receives traffic.	ds traffic, but not the way it
	Answer: B
Question: 10	
What kind of BGP attribute is the Local Preference?	
A. Optional transitive attribute.	
B. Optional non-transitive attribute.	
C. Well-known mandatory attribute. D. Well-known discretionary attribute.	
D. Well-known discretionary attribute.	
	Answer: D
Question: 11	
Which of the following is TRUE?	
 A. There can only be one community associated with a route. B. Community is an optional non-transitive attribute. C. Community is an optional transitive attribute. D. Community is a well-known discretionary attribute. 	
	Answer: C
Question: 12	

Click the exhibit.



Physical Connection and IGP metric 10
Physical Connection and IGP metric 100

Assuming a full iBGP mesh in ISP 1, how does router R1 in ISP 1 handle a BGP update received from ISP 2?

- A. The update is sent to router R2 in ISP 1.
- B. The update is sent to routers R2 and R3 in ISP 1.
- C. The update is sent to all routers in ISP 1.
- D. The update is sent to routers R2 and R3 in ISP 1, and to router R3 in ISP 2.

Answer: C

Question: 13

Click on the exhibit.



AS 65540 is using MPLS to provide BGP shortcuts for its iBGP routing. Which routers must be configured with the "configure router bgp igp-shortcuts rsvp-te" command?

- A. Routers R6, R1, R4 and R5.
- B. Routers R1and R4.
- C. Routers R1, R2, R3 and R4.
- D. Routers R2 and R3.

Answer: B

Question: 14

A. The neighbor will send a Keepalive message.B. The router is trying to initiate a TCP connection to that neighbor.C. The router received an Open message with the correct parameters.	
D. The router is actively exchanging updates with that neighbor.	
	Answer: B
Question: 15	
Which of the following about default BGP behavior is FALSE?	
A. Next Hop is modified in iBGP updates.B. Origin Code is NOT modified in eBGP updates.C. AS Path is modified in eBGP updates.D. Local Preference is NOT modified in iBGP updates.	
_	Answer: A

Which of the following is TRUE if the state of one BGP neighbor shows Active?

Question: 16

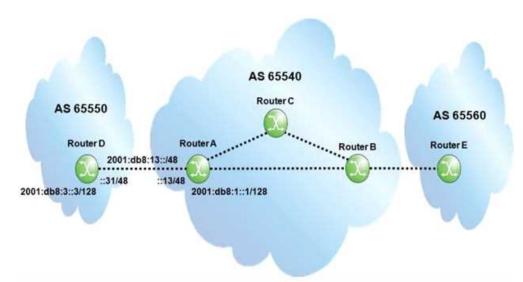
Why is a full mesh of iBGP peers required?

- A. To ensure proper route propagation inside a transit AS.
- B. To ensure that all routers are directly connected.
- C. To ensure that all routers run iBGP inside a transit AS.
- D. To maximize control plane scalability.

Answer: A

Question: 17

Click the exhibit.



Assume all router-IDs are properly configured. Which of the following configurations is required on the Alcatel-Lucent 7750 SR router A to establish an IPv6 BGP session to router D?

Question: 18

```
A. group "IPv6_eBGP"
         family ipv6
         type external
         peer-as 65550
         neighbor 2001:DB8:3::3
         exit
      exit
○ B. group "IPv6 eBGP"
         type external
         peer-as 65550
         neighbor 2001:DB8:3::3
         exit
      exit
C. group "IPv6 eBGP"
         family ipv6
         peer-as 65550
         neighbor 2001:DB8:13::31
         exit
      exit
C D. group "IPv6 eBGP"
         type external
         peer-as 65550
         neighbor 2001:DB8:13::31
         exit
      exit
A. Option A
B. Option B
C. Option C
D. Option D
                                                      Answer: C
```

Consider two Alcatel-Lucent 7750 SRs in AS 65540. Router R1 has system address 10.10.10.1, and router R2 has system address 10.10.10.2. Which of the following configurations on router R2 can

```
establish a BGP session with router R1?
A. R2>config>router>bgp# info
               group "iBGP"
                 family ipv4
                  peer-as 65540
                  neighbor 10.10.10.1
                    peer-as 65550
                 exit
               exit

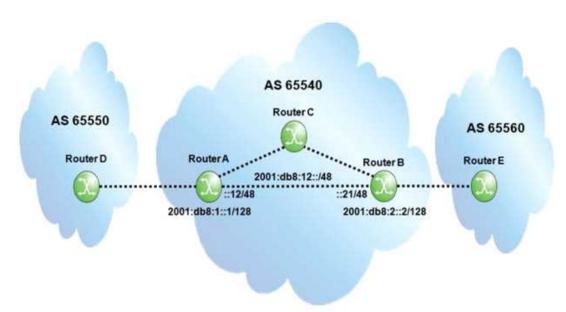
    ∩ B. R2>config>router>bgp# info

               group "iBGP"
                  family ipv6
                  peer-as 65540
                  neighbor 10.10.10.1
                    family ipv4
                  exit
               exit
 C. R2>config>router>bgp# info
               group "iBGP"
                  family ipv4
                  peer-as 65540
                  neighbor 10.10.10.1
                     family ipv4
                     local-address 10.10.10.1
                  exit
               exit
 C D. R2>config>router>bgp# info
               group "iBGP"
                  family ipv4
                  local-as 65540
                  local-address 10.10.10.2
                  neighbor 10.10.10.1
                  exit
               exit
A. Option A
B. Option B
C. Option C
D. Option D
```

	Answer: B
Question: 19	
A router in AS 65100 receives three routes for 138.120.0.0/16. The 65400 65300 and a local preference of 150. The second route has local preference of 100. The third route has an AS path of 65600 6 Which route will appear in the RIB-In?	s an AS Path of 65200 65300 and a
A. Only the first route will appear in the RIB-In.B. Only the second route will appear in the RIB-In.C. Only the third route will appear in the RIB-In.D. All routes will appear in the RIB-In.	
	Answer: D
Question: 20	
The user of an Alcatel-Lucent 7750 SR wants to see the effimmediately. What is the best command to force re-evaluation impact?	
A. Configure router bgp shutdownB. Clear router bgp neighbor <ip-address> soft</ip-address>C. Clear router bgp neighbor <ip-address> soft-inbound</ip-address>D. Clear router bgp protocol	
	Answer: C

Question: 21

Click the exhibit.



Assume all router-IDs are properly configured, and link-local IPv6 addresses are used to establish the eBGP sessions. Which of the following is the MINIMAL configuration required on router A so that router B can exchange traffic with router D?

```
○ A. group "IPv6_iBGP"
         family ipv6
         next-hop-self
         peer-as 65540
         neighbor 2001:DB8:2::2
         exit
      exit
○ B. group "IPv6_iBGP"
         next-hop-self
         type internal
         peer-as 65540
         neighbor 2001:DB8:2::2
         exit
      exit
C. group "IPv6_iBGP"
         family ipv6
         peer-as 65540
         neighbor 2001:DB8:2::2
         exit
      exit
C D. group "IPv6_iBGP"
         family ipv6
         next-hop-self
         type internal
         neighbor 2001:DB8:2::2
         exit
      exit
A. Option A
B. Option B
C. Option C
D. Option D
```

Answer: C

Question: 22

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
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.

Answer: C

Question: 23

When an Alcatel-Lucent 7750 SR receives a BGP route with an AS Path loop, what action is taken by default?

- A. The route is ignored.
- B. The route is flagged as invalid and placed in the LOC-RIB.
- C. The route is flagged as invalid and placed in the RIB-In.
- D. The route is flagged as invalid and placed in the RIB-Out.

Answer: C

Question: 24

What happens to a route that is rejected by an import policy on an Alcatel-Lucent 7750 SR?

- A. The route is discarded.
- B. The route is kept in the RIB-In, but marked as an invalid route.
- C. The route is moved to the LOC-RIB, but not marked as a used route.
- D. The route is moved to the route table, but not to the FIB.

	Answer: B
Question: 25	
A router receives two routes from its neighbors: a route from OSPF for BGP for 10.0.0.0/8. Both routes have reachable next hops. Which of the	
A. Only the BGP route is in the route table.	
B. Both routes are in the route table.	
C. None of the routes is in the route table.	
D. Only the OSPF route is in the route table.	
	Answer: B

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