



Nokia 4A0-102 Practice Questions

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Question 1

Question Type: MultipleChoice

Which of the following about a single-homed AS is FALSE?

Options:

- A- A single-homed AS is also known as a stub AS.
- B- A single-homed AS is also known as a leaf AS.
- C- A single-homed AS uses either the ISP AS number or a private AS number.
- D- A single-homed AS can be either transit or non-transit

Answer:

D

Question 2

Question Type: MultipleChoice

Which of the following is TRUE?

Options:

- 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 3

Question Type: MultipleChoice

What is the result of configuring the following policy statement as a BGP import policy on the

Alcatel-Lucent 7750 SR?

```
policy-statement "Policy-1"  
  entry 10  
    from  
      protocol bgp  
      prefix-list "List-1" "List-2"  
    exit  
    action reject  
  exit  
exit  
default-action accept
```

Options:

- A- All BGP routes are accepted.
- B- All routes matching prefix lists 'List-1' and 'List-2' are rejected.
- C- BGP routes matching prefix lists 'List-1' or 'List-2' are rejected.
- D- BGP routes matching prefix lists 'List-1' and 'List-2' are rejected.

Answer:

C

Question 4

Question Type: MultipleChoice

Which of the following best describes the relationship between locally configured policies and the direction of traffic?

Options:

- A- Import policies affect the way the local AS receives traffic, while export policies affect the way it sends traffic.
- B- Import policies affect the way the local AS sends traffic, while export policies affect the way it receives traffic.
- C- Both import and export policies affect the way the local AS receives traffic, but not the way it sends traffic.
- D- Both import and export policies affect the way the local AS sends traffic, but not the way it receives traffic.

Answer:

B

Question 5

Question Type: MultipleChoice

Click the exhibit.

AS 65540 routers are iBGP fully-meshed. Prefixes advertised by router R2 have a local preference of 200. Router R1 advertises the prefix 192.168.1.0/27 to routers R2 and R3. Assuming that router R3 is configured with "advertise-external", what is the expected output of "show router bgp routes" when executed on router R4?

Options:

A- Option A

Flag	Network	LocalPref	MED
	Nextthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27	200	None
	10.1.2.3	None	-
	65541		
i	192.168.1.0/27	200	None
	10.10.10.2	None	-
	65541		
i	192.168.1.0/27	100	None
	10.10.10.3	None	-
	65541		

B- Option B

Flag	Network	LocalPref	MED
	Nextthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27	200	None
	10.1.2.3	None	-
	65541		
i	192.168.1.0/27	200	None
	10.10.10.2	None	-
	65541		
i	192.168.1.0/27	100	None
	10.10.10.3	None	-
	65541		

C- Option C

Flag	Network	LocalPref	MED
	Nextthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27	200	None
	10.1.2.3	None	-
	65541		
i	192.168.1.0/27	200	None
	10.10.10.2	None	-
	65541		
i	192.168.1.0/27	100	None
	10.10.10.3	None	-
	65541		

D- Option D

Flag	Network	LocalPref	MED
	Nextthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27	200	None
	10.1.2.3	None	-
	65541		
i	192.168.1.0/27	200	None
	10.10.10.2	None	-
	65541		
i	192.168.1.0/27	100	None
	10.10.10.3	None	-
	65541		

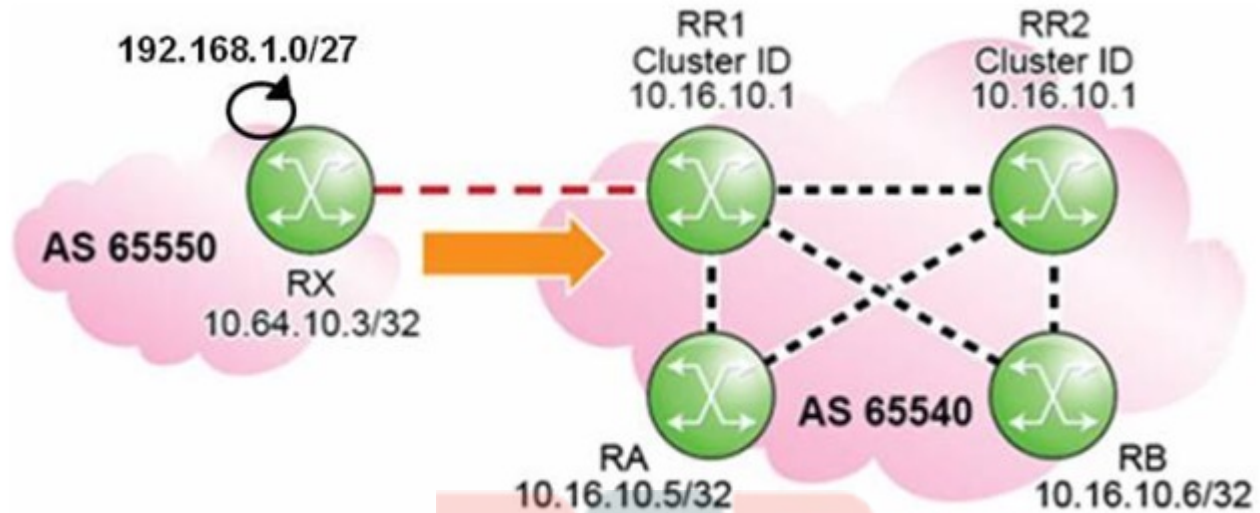
Answer:

C

Question 6

Question Type: MultipleChoice

Click the exhibit.



Routers RR1 and RR2 are route reflectors with the same Cluster-ID. When the update for prefix 192.168.1.0/27 is received at router RA2, what are the Originator_ID and Cluster_List attributes?

Options:

- A- Originator_ID of RR1; and Cluster_List of 10.16.10.1.
- B- Originator_ID of RX; and Cluster_List of 10.16.10.1.
- C- Originator_ID of RR1; and the Cluster_List is not set.
- D- Neither the Originator_ID nor the Cluster_List is set.

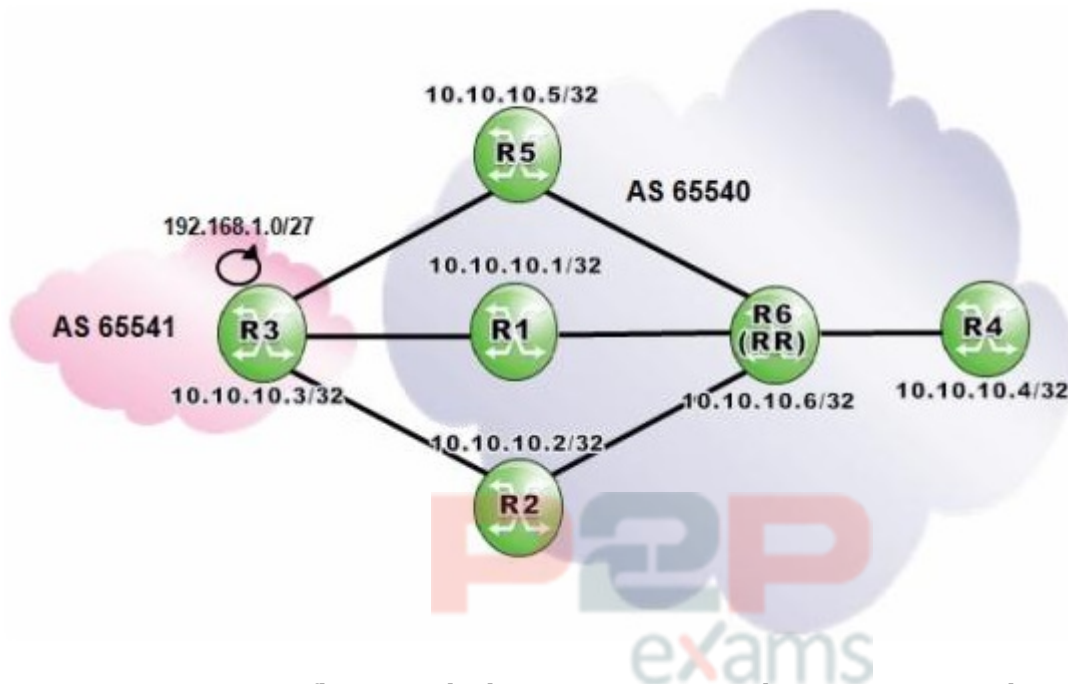
Answer:

D

Question 7

Question Type: MultipleChoice

Click the exhibit.



Router R6 is a route reflector with clients R1, R2, R4 and R5. R4 receives three routes from router R6 and is configured with ECMP 3. Given the following BGP configuration on router R4, how many primary and backup paths will be present in router R4's BGP routing table?

```
R4>config>router>bgp# info
```

```
-----
multipath 3
add-paths
  ipv4 send 3 receive
exit
backup-path ipv4
group "IBGP"
  peer-as 65540
  neighbor 10.10.10.6
exit
exit
```

Options:

- A- Two primary paths and one backup path.
- B- One primary path and two backup paths.
- C- Three primary path and one backup path,
- D- Three primary paths.

Answer:

D

Question 8

Question Type: MultipleChoice

Which of the following AS Paths will match the regular expression "65100."?

Options:

- A- '65100'
- B- '65100 65200'
- C- '65200 65100'
- D- '65100 65250 65200'

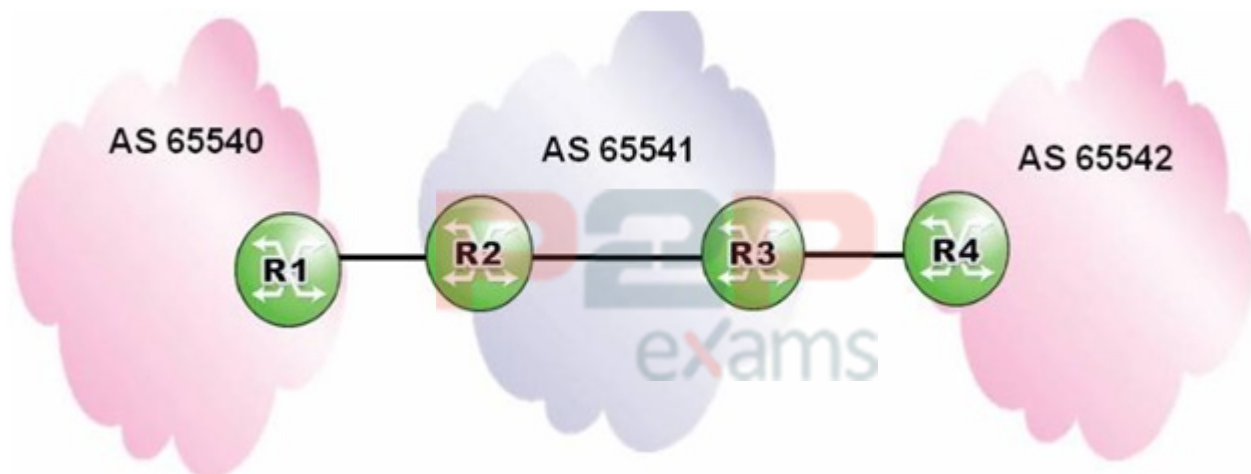
Answer:

B

Question 9

Question Type: MultipleChoice

Click the exhibit.



Which of the following can be used by router R4 in AS 65542 to reject all routes originating in AS 65540?

Options:

- A- An import policy that rejects updates with an AS Path matching the regular expression '.*65540.*'.

- B-** An import policy that rejects updates with an AS Path matching the regular expression '.*+65540'.
- C-** An import policy that rejects updates with an AS Path matching the regular expression '65540 .*+.'
- D-** An import policy that rejects updates with an AS Path matching the regular expression '65540'.

Answer:

B

Question 10

Question Type: MultipleChoice

What are the well-known mandatory BGP attributes?

Options:

- 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.

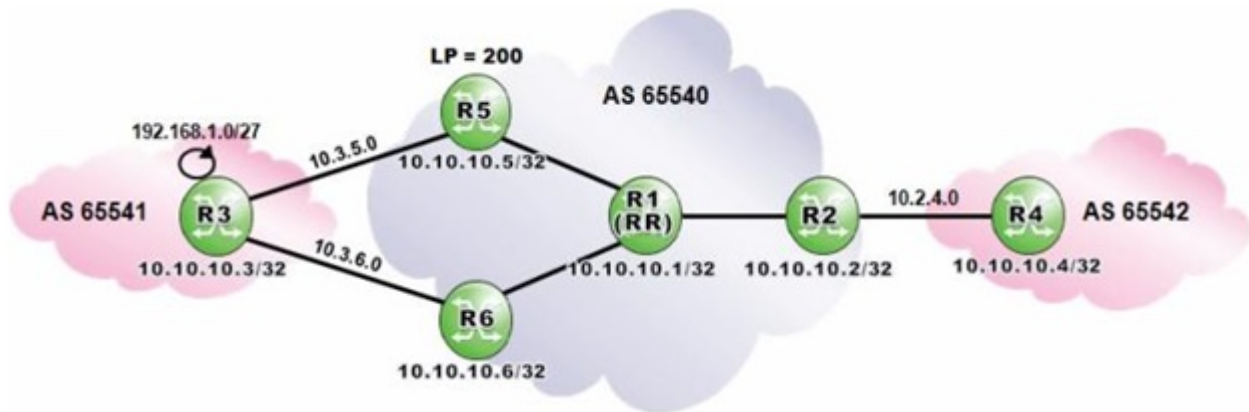
Answer:

D

Question 11

Question Type: MultipleChoice

Click the exhibit.



Router R1 is a route reflector with clients R2, R5 and R6. Prefixes advertised by router R5 have a local preference of 200. Router R3 advertises the prefix 192.168.1.0/27 to routers R5 and R6. Assuming that router R6 is configured with "advertise-external", what is the expected output of "show router bgp routes" when executed on router R5?

Options:

A- Option A

Flag	Network	LocalPref	MED
	Nexthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27 10.10.10.5 65541	200 None	None -
i	192.168.1.0/27 10.10.0.6 65541	100 None	None -

B- Option B

Flag	Network	LocalPref	MED
	Nexthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27 10.10.10.5 65541	200 None	None -
i	192.168.1.0/27 10.10.0.6 65541	100 None	None -

C- Option C

Flag	Network	LocalPref	MED
	Nexthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27 10.10.10.5 65541	200 None	None -
i	192.168.1.0/27 10.10.0.6 65541	100 None	None -

D- Option D

Flag	Network	LocalPref	MED
	Nexthop As-Path	Path-Id	VPNLabel
u*>i	192.168.1.0/27 10.10.10.5 65541	200 None	None -
i	192.168.1.0/27 10.10.0.6 65541	100 None	None -

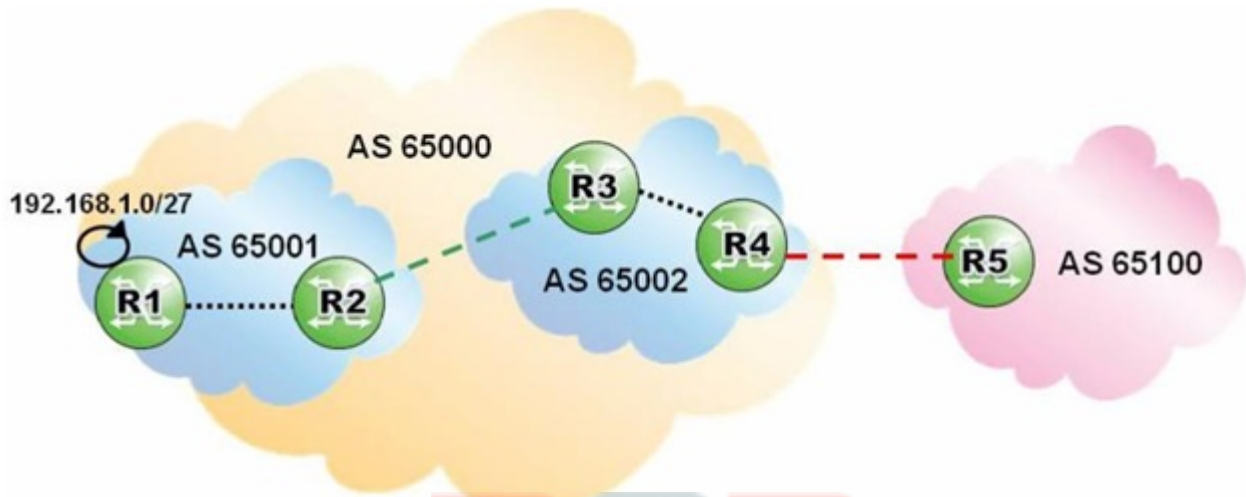
Answer:

C

Question 12

Question Type: MultipleChoice

Click the exhibit.



Router R1 is advertising prefix 192.168.1.0/27 with community "no-export". Which routers will receive an update for that prefix?

Options:

- A- Router R2 only.
- B- Routers R2 and R3 only.
- C- Routers R2, R3 and R4 only.
- D- Routers R2, R3, R4 and R5.

Answer:

D

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