Free Questions for 300-510 by dumpssheet

Shared by Middleton on 24-05-2024

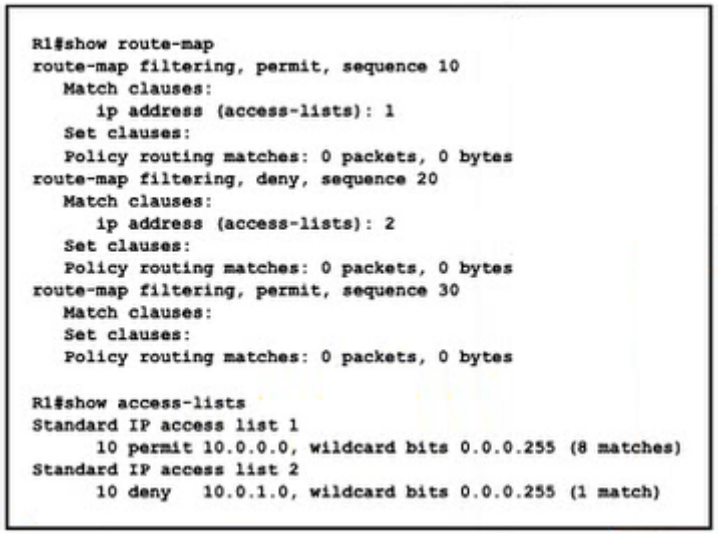
For More Free Questions and Preparation Resources

Check the Links on Last Page

Question 1

Question Type: MultipleChoice

Refer to the exhibit.



```
R1#show route-map
route-map filtering, permit, sequence 10
   Match clauses:
      ip address (access-lists): 1
   Set clauses:
   Policy routing matches: 0 packets, 0 bytes
route-map filtering, deny, sequence 20
   Match clauses:
      ip address (access-lists): 2
   Set clauses:
   Policy routing matches: 0 packets, 0 bytes
route-map filtering, permit, sequence 30
   Match clauses:
   Set clauses:
   Policy routing matches: 0 packets, 0 bytes

R1#show access-lists
Standard IP access list 1
      10 permit 10.0.0.0, wildcard bits 0.0.0.255 (8 matches)
Standard IP access list 2
      10 deny   10.0.1.0, wildcard bits 0.0.0.255 (1 match)
```

Refer to the exhibit A network engineer configured the redistribute connected subnets route-map filtering command on R1 to redistribute connected interfaces to the OSPF process The engineer also wants to filter out IP address 10 0 1 0/24. but the prefix still appears in the routing tables of the other routers on the network. Which action corrects the problem?

Options:

A- Remove route-map sequence 30.

B- Add a set statement to route-map sequence 20.

C- Change the deny statement in access list 2 to permit

D- Remove the subnets keyword from the redistribute connected subnets route-map filtering command.

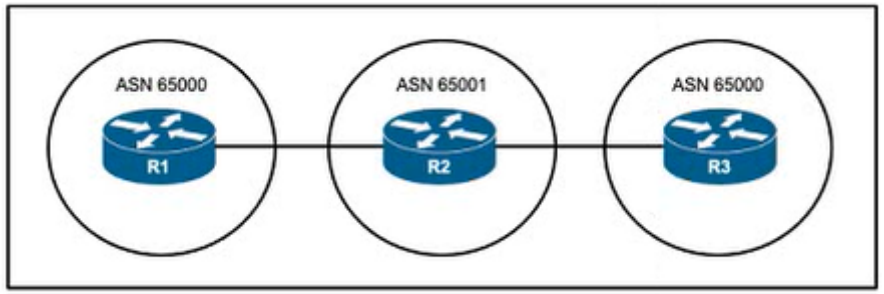
Answer:

C

Question 2

Question Type: MultipleChoice

Refer to the exhibit.



Refer to the exhibit. An engineer is troubleshooting an issue with this network and notices that prefixes from R3 are missing on the R1 routing table Due to repeated ASN when the 10 0 0 0'8 prefix from R3 arrives at R1, BGP automatically rejects it There is no prefix-list on R1 which blocks the traffic from R3 What should the engineer do to fix the problem so that BGP allows that prefix on R1?

Options:

A- Configure R2 as a route reflector client of R1.

B- Configure the allowas-in command on R1.

C- Configure the next-hop-self command on R2.

D- Configure identical confederation ASNs on R1 and R2.

Answer:

B

Question 3

Question Type: **MultipleChoice**

An engineer warns to map a multicast IP address to a multicast MAC How many bits are used to make the conversion?

Options:

A- high-order 24 bits

B- higher-order 23 bits

C- low order 23 bits

D- lower-order 24 bits

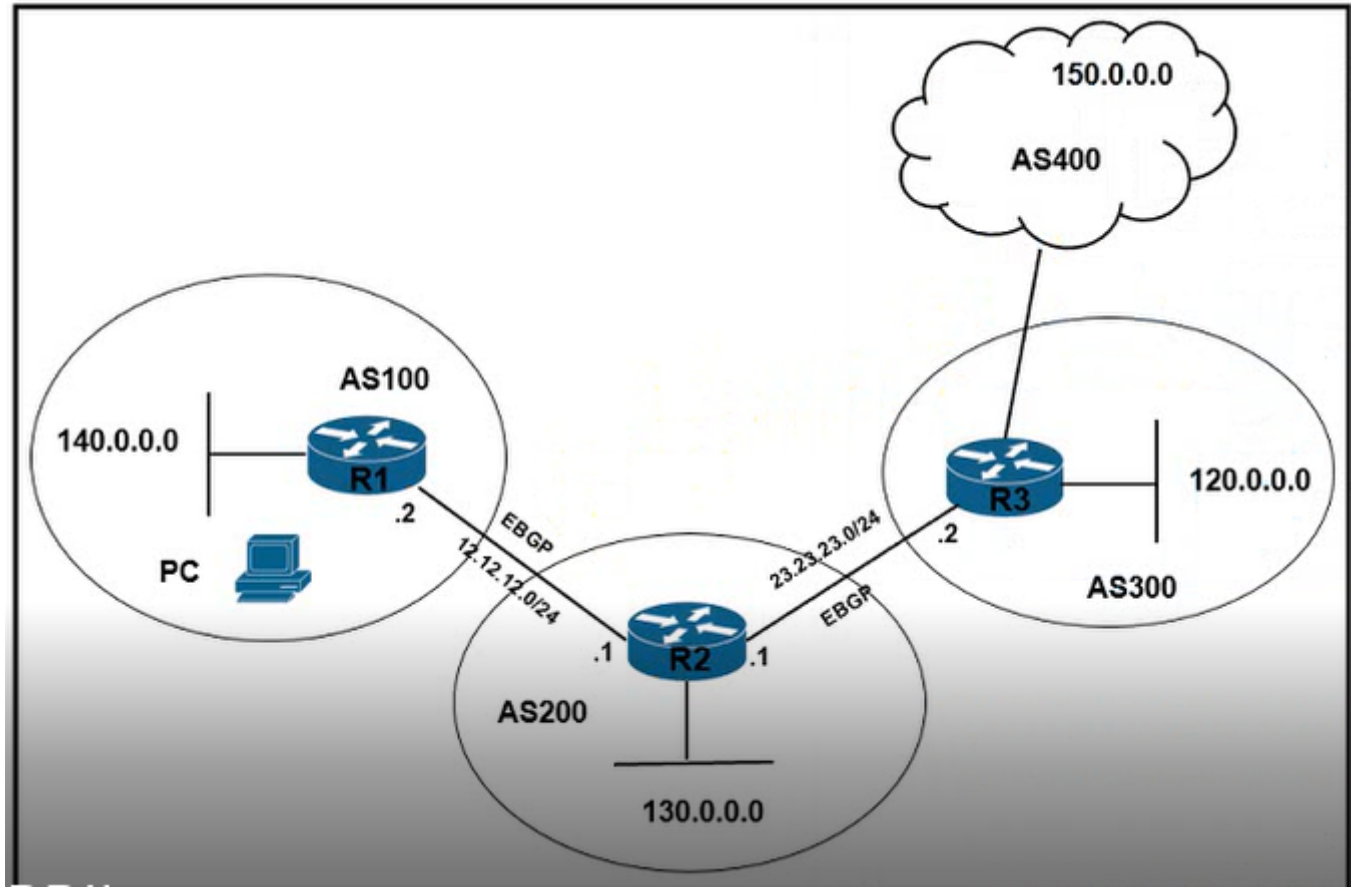
Answer:

C

Question 4

Question Type: **MultipleChoice**

Refer to the exhibit.



Refer to the exhibit. Excessive routes are flooding from network 150.0.0.0 into AS100. Internet traffic between AS400 and AS300 is working normally. No route controlling mechanism is applied on incoming and outgoing traffic Which configuration resolves the issue?

```
R2#router bgp 200
neighbor 12.12.12.2 remote-as 100
neighbor 23.23.23.2 remote-as 300
neighbor 12.12.12.12 filter-list 1 out
ip as-path access-list 1 deny ^400$
ip as-path access-list 1 permit .*
```

```
R2#router bgp 200
  address-family ipv4 unicast
  neighbor 12.12.12.2 remote-as 100
  neighbor 12.12.12.2 activate
  neighbor 12.12.12.2 route-map PREPEND out
  exit-address-family
exit
route-map PREPEND permit 10
set as-path prepend 100 100
```

```
R2#router bgp 200
  neighbor 12.12.12.2  route-map FLOODING out
ip as-path access-list 1 permit ^400_
route-map FLOODING permit 10
  match as-path 1
  set metric 50000
```

```
R1#router bgp 100
  neighbor 12.12.12.1 remote-as 200
  neighbor 12.12.12.1 route-map SET-LOCAL-PREF in
route-map SET-LOCAL-PREF permit 10
  match ip address 2
  set local-preference 700
route-map SET-LOCAL-PREF permit 20
access-list 2 permit 150.0.0.0 0.255.255.255
access-list 2 deny any
```

Options:

A- Option A

B- Option B

C- Option C

D- Option D

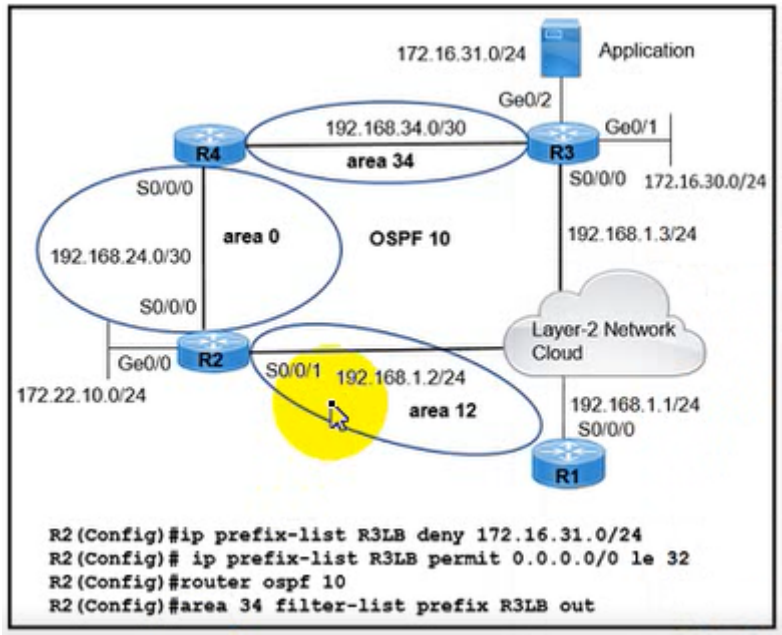
Answer:

A

Question 5

Question Type: **MultipleChoice**

Refer to the exhibit.



Refer to the exhibit Networks 172.16.31.0/24 and 172 16 30.0/24 are advertised in area 34. and network 172.22 10.0/24 is advertised in area 0. A recent security review discovered that users connected to routers R1 and R2 have been making unauthorized access to an application running on network 172 16 31 0/24 An engineer determined that routers R1 and R2 are receiving updates for network 17 16 31 0/24 Which action resolves the issue?

Options:

A- Apply route filtering on routers R3 and R4.

B- Apply route filtering on router R3 only.

C- Apply route filtering on routers RI and R2

D- Apply route filtering on router R4 only.

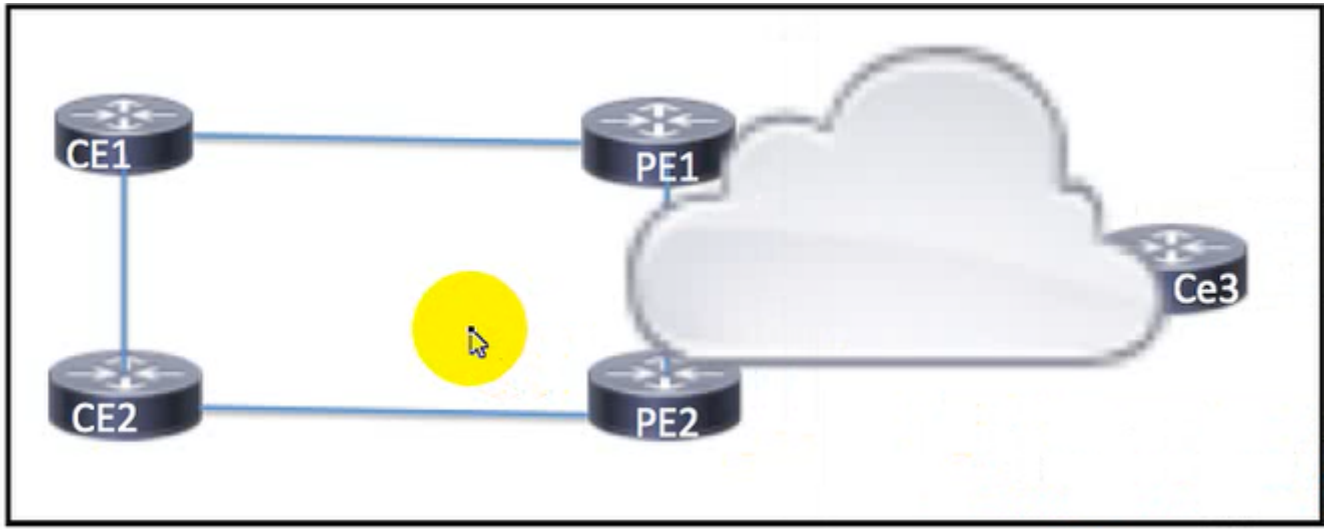
Answer:

D

Question 6

Question Type: **MultipleChoice**

Refer to the exhibit.



Refer to the exhibit. CE1 and CE2 use connectivity over the service provider cloud to reach CE3 In the event of a link failure in the service provider cloud which BGP feature relies on IGP convergence to quickly assist in the installation of a backup path?

Options:

A- BGP graceful restart

B- BGP route dampening

C- BOP PIC core

D- BGP confederations

Answer:

C