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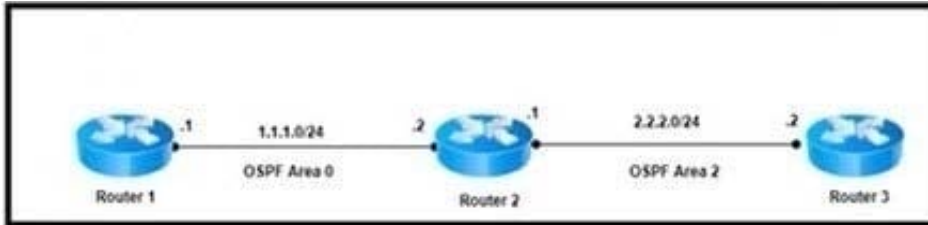
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QUESTION 1

Refer to the exhibit



A network engineer installed a new router (router 3) at the regional hub running MPLS services for scalability Router 3 is connected to the 10.44.4.0/24, 10.44.5.0/24, 10.44.6.0/24, and 10.44.7.0/24 subnets

The new router has been configured for OSPF area 2, and it is advertising the four connected networks.

The engineer noticed that the same networks are listed as interarea summary routes, and they are being flooded into each area on the area borders

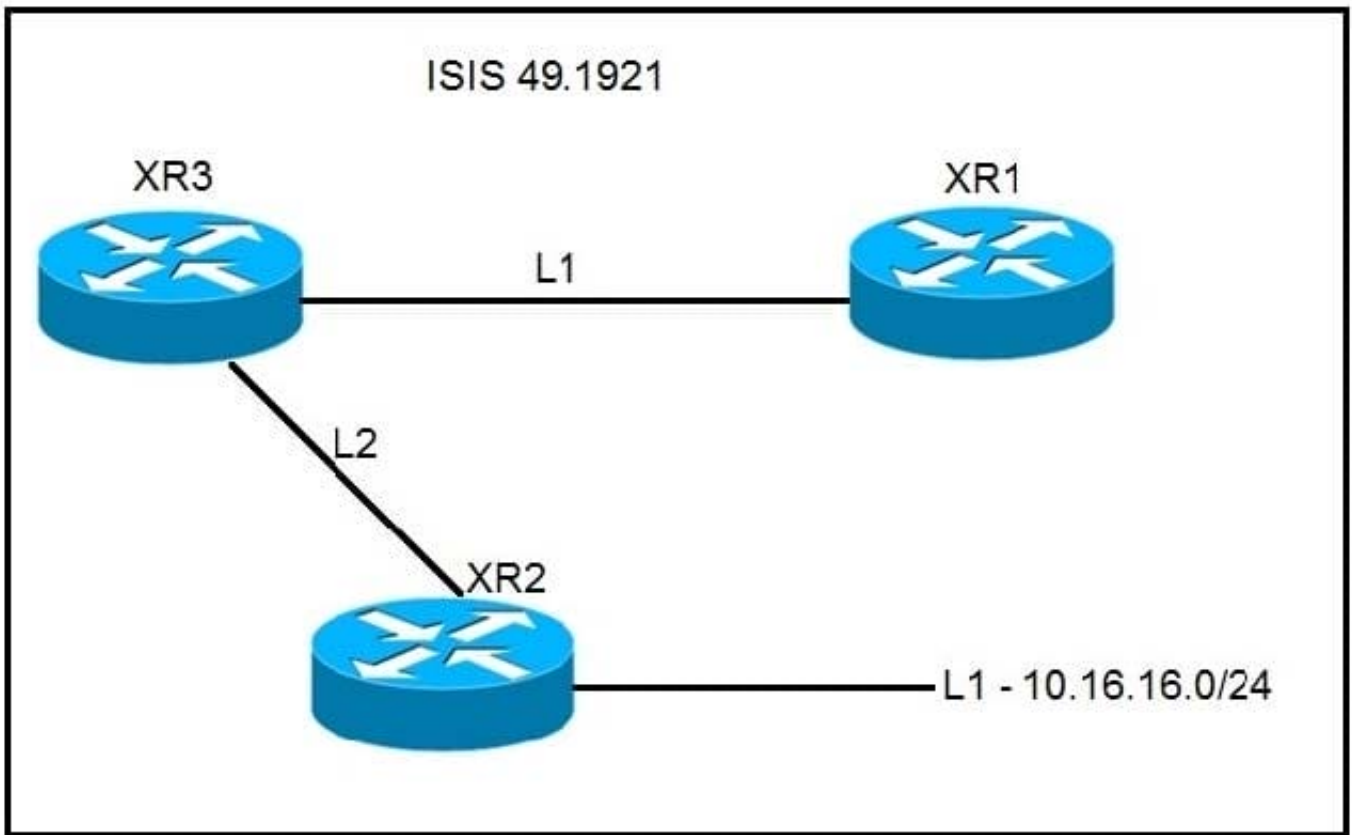
Which action resolves the issue?

- A. On router 3, configure an access list to filter the networks.
- B. On router 2, configure a route map to filter the networks.
- C. Under the OSPF configuration on router 3, add area 2 range 10.44.4.0 255.255.252.0.
- D. Under the OSPF configuration on router 2, add area 2 range 10.44.4.0 255.255.252.0.

Correct Answer: D

QUESTION 2

Refer to the exhibit.



A network operator must inject a Level 1 route from XR2 (10.16.16.0/24) into the ISIS topology.

Which configuration allows the injection in a way that XR3 and XR1 have a valid and working route for 10.16.16.0/24?



- A. #XR3
- ```
route-policy ISIS_PROPO
 if destination in(10.0.0.0/8 ge 8 le 22) then
 pass
 endif
end-policy
!
router isis 1
 net 49.1921.6800.0003.00
 address-family ipv4 unicast
!
propagate level 1 into level 2 route-policy ISIS_PROPO
```
- B. #XR2
- ```
route-policy ISIS_PROPO
  if destination in(10.0.0.0/8 ge 8 le 32) then
    pass
  endif
end-policy
!
router isis 1
  net 49.1921.6800.0003.00
  address-family ipv4 unicast
!
propagate level 2 into level 1 route-policy ISIS_PROPO
```
- C. #XR2
- ```
route-policy ISIS_PROPO
 if destination in(10.0.0.0/8 ge 8 le 32) then
 pass
 endif
end-policy
!
router isis 1
 net 49.1921.6800.0003.00
 address-family ipv4 unicast
!
propagate level 1 into level 2 route-policy ISIS_PROPO
```
- D. #XR3
- ```
route-policy ISIS_PROPO
  if destination in(10.0.0.0/8 ge 8 le 32) then
    pass
  endif
end-policy
!
router isis 1
  net 49.1921.6800.0003.00
  address-family ipv4 unicast
!
propagate level 2 into level 1 route-policy ISIS_PROPO
```



- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: D

L1 route injected by XR2 won't be advertised to XR1, since L2 routes are NOT leaked to L1 by default. An [L2-L1] route leak policy should be configured on L1/L2 router (XR3).

QUESTION 3

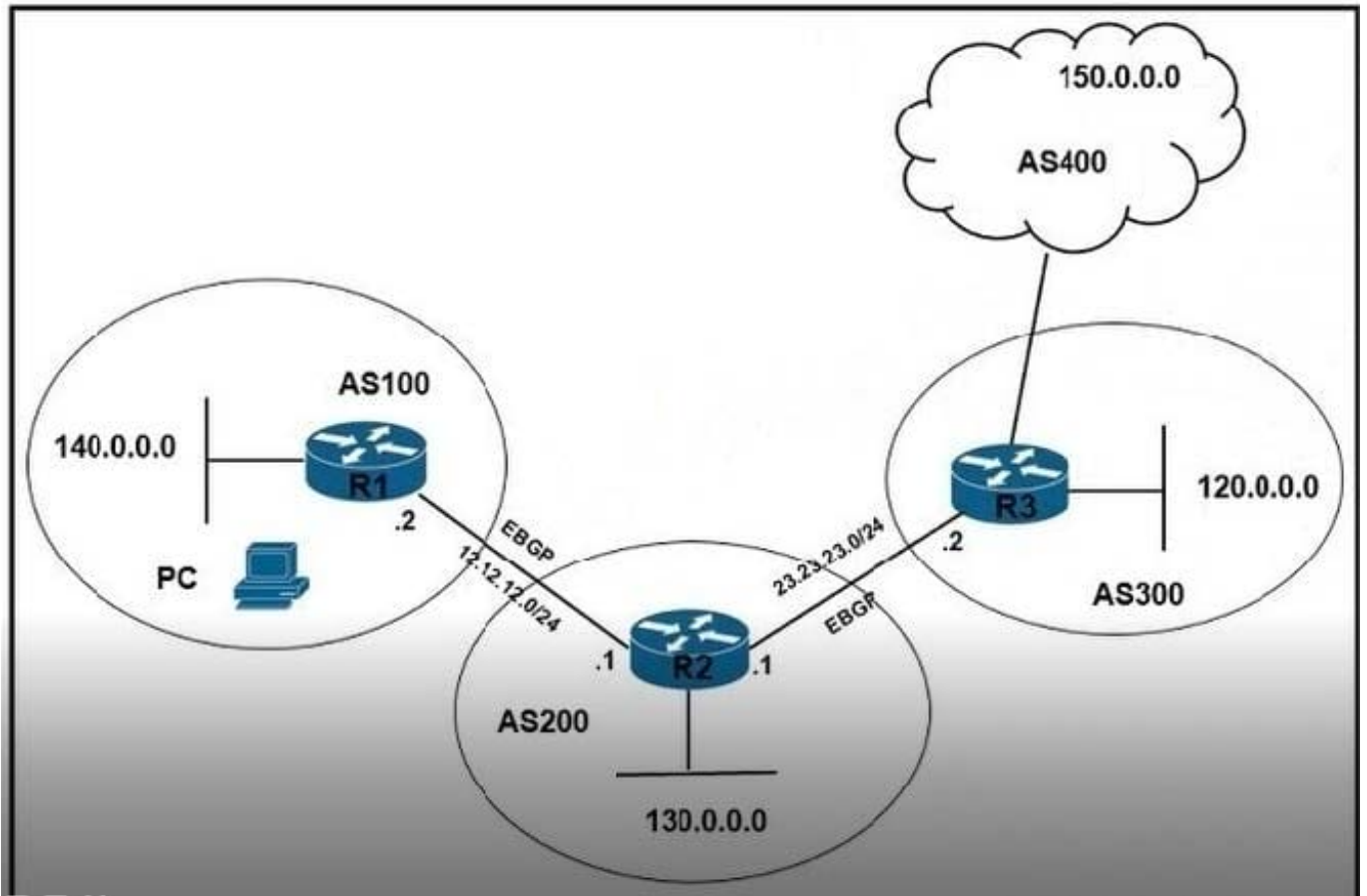
What is the characteristic of enabling segment routing for IGP?

- A. Segment routing must first be enabled under the routing process and then globally.
- B. Segment routing must first be enabled globally and then under the routing process.
- C. Segment routing must be enabled only globally.
- D. Segment routing must be enabled only under the routing process.

Correct Answer: B

QUESTION 4

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

A. Option A

B. Option B

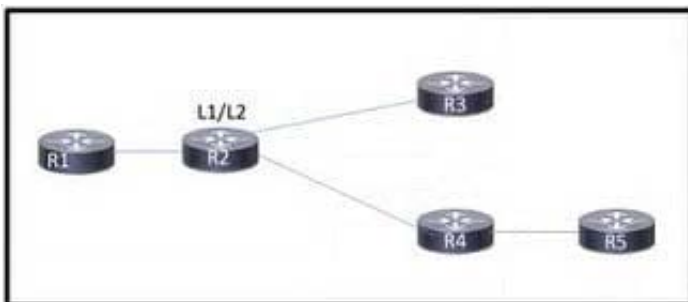
C. Option C

D. Option D

Correct Answer: A

QUESTION 5

Refer to the exhibit



Routers R2, R3, R4, and R5 all reside in the same area, with R1 in a different area. R3 is overutilized and the engineer



wants to reduce its CPU load

The engineer configured router R4 to summarize routes that it receives from R5. but R3 is still receiving all of the R5 routes.

Which action resolves the issue?

- A. Configure R3 in a new area
- B. Configure R2 as a Level 1 router
- C. Configure the summary routes on R5
- D. Configure R4 as a Level 1-Level 2 router

Correct Answer: A

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