



Free Questions for 350-501 by certsinside

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Question 1

Question Type: MultipleChoice

Refer to the exhibit. An engineer is configuring IS-IS on ISP network. Which IS-IS configuration must an engineer implement on router AGG1 so that it establishes connectivity to router AGG6 via the BB3 core router?

- router isis 100
metric-style narrow
interface GigabitEthernet 3
isis metric 10 level-2
 - router isis 100
metric-style wide
interface GigabitEthernet 3
isis metric 1500 level-2
 - router isis 100
metric-style wide
interface GigabitEthernet 3
isis metric 1500 level-1
 - router isis 100
metric-style narrow
interface GigabitEthernet 3
isis metric 10 level-1
-

Options:

A- Option A

B- Option B

C- Option C

D- Option D

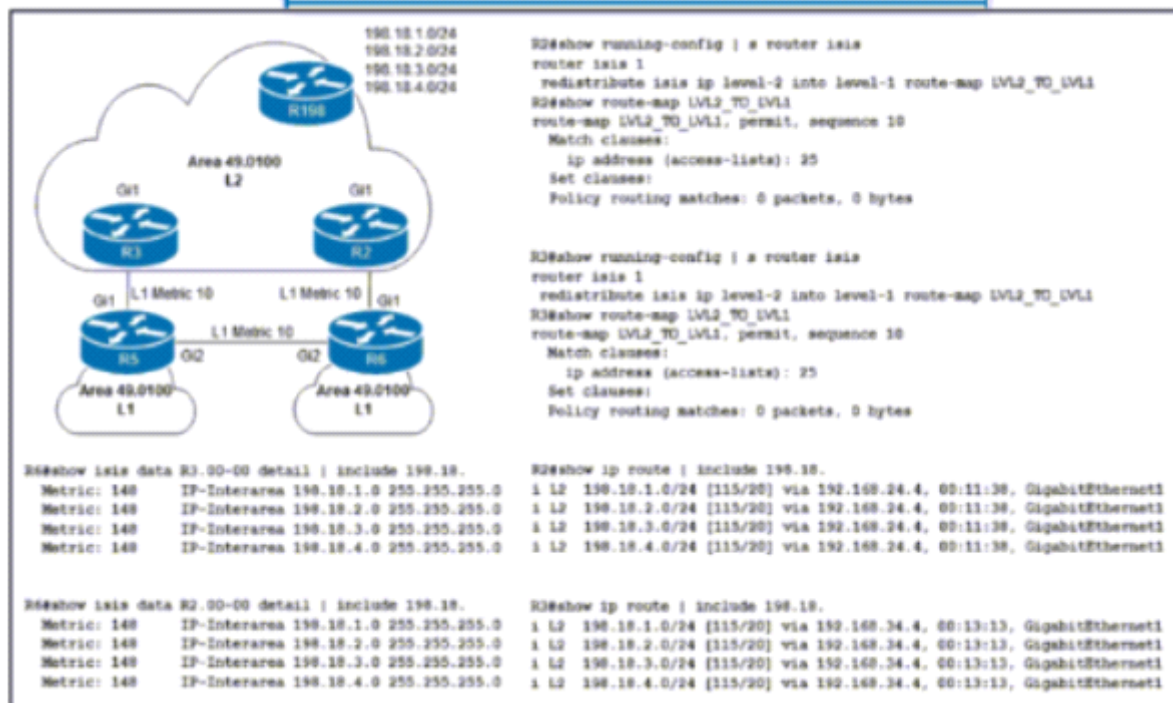
Answer:

D

Question 2

Question Type: MultipleChoice

Refer to the exhibit.



Routers R2 and R3 are Level 1/Level 2 IS-IS routers that redistribute 198.18.x.x/24 prefixes to routers R5 and R6 in the Level 1 area. R2 is to be the preferred router for all redistributed prefixes in the Level 1 area.

a. Which configuration sets this preference?

- On R2:
configure terminal
route-map LVL2_TO_LVL1 permit 10
set metric 5
end
 - On R2:
configure terminal
route-map LVL2_TO_LVL1 permit 10
set metric 25
end
 - On R3:
configure terminal
route-map LVL2_TO_LVL1 permit 10
set metric 5
end
 - On R3:
configure terminal
route-map LVL2_TO_LVL1 permit 10
set metric 25
end
-

Options:

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

Answer:

A

Question 3

Question Type: MultipleChoice

Refer to the exhibit.



An ISP provides shared VoIP Extranet services to a customer in VRF-100 with these settings:

The VoIP services are hosted in the 198.19.1000/24 space.

The customer has been assigned the 198.18.10/29 IP address bloc*.

VRF-100 is assigned Import and export route target 85010:100.

Which configuration must the engineer Apply to PE-1 to provision VRF-100 and provide access to the shared services?

```
● vrf definition VRF-100
  rd 172.17.255.1:100
  !
  address-family ipv4
    route-target export 65010:100
    route-target export 65010:1999
    route-target import 65010:100
    route-target import 65010:2999
  exit-address-family

● vrf definition VRF-100
  rd 172.17.255.1:100
  !
  address-family ipv4
    export map VRF-100-EXPORT
    import map VRF-100-IMPORT
  exit-address-family
  !
  route-map VRF-100-EXPORT permit 10
    match ip address prefix-list VRF-100-ALLOWED-EXPORT
    set extcommunity rt 65010:100 65010:2999
  route-map VRF-100-EXPORT permit 20
    set extcommunity rt 65010:100
  !
  route-map VRF-100-IMPORT permit 10
    match extcommunity VRF-100-RT SHARED-SERVICES
  !
  ip extcommunity-list standard SHARED-SERVICES permit rt 65010:1999
  ip extcommunity-list standard VRF-100-RT permit rt 65010:100
  ip prefix-list VRF-100-ALLOWED-EXPORT seq 5 permit 198.18.1.0/29
```

```
● vrf definition VRF-100
  rd 172.17.255.1:100
  !
  address-family ipv4
    export map VRF-100-EXPORT
    route-target import 65010:100
    route-target import 65010:2999
  exit-address-family
  !
  route-map VRF-100-EXPORT permit 10
    match ip address prefix-list VRF-100-ALLOWED-EXPORT
    set extcommunity rt 65010:100 65010:1999
  route-map VRF-100-EXPORT permit 20
    set extcommunity rt 65010:100
  !
  ip prefix-list VRF-100-ALLOWED-EXPORT seq 5 permit 198.18.1.0/29

● vrf definition VRF-100
  rd 172.17.255.1:100
  !
  address-family ipv4
    export map VRF-100-EXPORT
    route-target import 65010:100
    route-target import 65010:1999
  exit-address-family
  !
  route-map VRF-100-EXPORT permit 10
    match ip address prefix-list VRF-100-ALLOWED-EXPORT
    set extcommunity rt 65010:100 65010:2999
  route-map VRF-100-EXPORT permit 20
    set extcommunity rt 65010:100
  !
  ip prefix-list VRF-100-ALLOWED-EXPORT seq 5 permit 198.18.1.0/29
```

Options:

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

Answer:

C

Question 4

Question Type: MultipleChoice

Refer to the exhibit.

```
R1# configure terminal
R1(config)# router isis area2
R1(config-router)# metric-style wide level-1
```

An engineer is configuring multitopology IS-IS for IPv6 on router R1. Which additional configuration must be applied to the router to complete the task?

- R1# configure terminal
R1(config)# router isis area1
R1(config-router)# metric-style wide level-1
R1(config-router)# address-family ipv6
R1(config-router-af)# multi topology
- R1# configure terminal
R1(config)# router isis area2
R1(config-router)# metric-style wide
R1(config-router)# address-family ipv6
R1(config-router-af)# multi topology
- R1# configure terminal
R1(config)# router isis area1
R1(config-router)# metric-style wide level-2
R1(config-router)# address-family ipv6
R1(config-router-af)# multi-topology
- R1# configure terminal
R1(config)# router isis area2
R1(config-router)# address-family ipv6
R1(config-router-af)# multi-topology

Options:

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

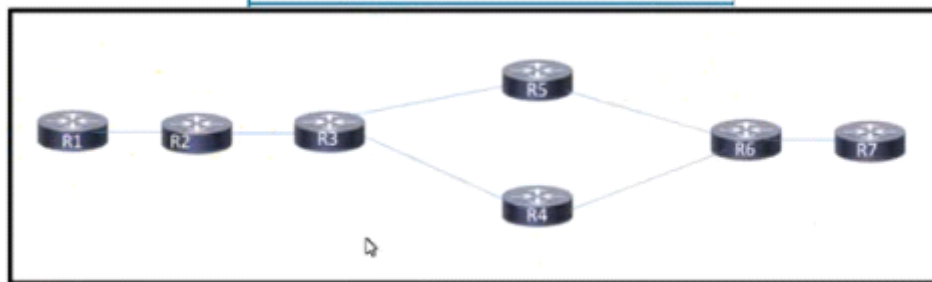
Answer:

D

Question 5

Question Type: MultipleChoice

Refer to the exhibit. After a networking team configured this MPLS topology, the supervisor wants to view MPLS labels to verify the path that packets take from router R1 to router R7. The team already issued an ICMP ping to verify connectivity between the devices. Which task must the team perform to allow the supervisor to view the label switch path?



Options:

A- Configure MPLS TE to display the labels in the stack between the head and tail-end routers

- B-** Implement MPLS LDP to assign labels to all the routes in the transit path.
- C-** Configure MPLS LDP Sync to sync labels from the routing table to the MPLS forwarding table.
- D-** Implement MPLS OAM to display the labels for each hop along the path

Answer:

D

Question 6

Question Type: MultipleChoice

Refer to the exhibit. Router P4 and P5 receive the 0.0.0.0/0 route from the ISP via eBGP peering P4 is the primary Internet gateway router, and P5 is its Backup. P5 is already advertising a default route into OSPF domain. Which configuration must Be applied to P4 so that advertises a default route Into OSPF and Becomes me primary internet gateway for the network?

configure terminal
router ospfv3 100
address-family ipv4 unicast
default-information originate always metric 40 metric-type 1
end

configure terminal
router ospfv3 100
address-family ipv4 unicast
default-information originate metric 40 metric-type 2
end

configure terminal
router ospfv3 100
address-family ipv4 unicast
default-information originate metric 40 metric-type 1
end

configure terminal
router ospfv3 100
address-family ipv4 unicast
redistribute bgp 65500 metric 40 metric-type 1
end

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

C

Question 7

Question Type: MultipleChoice

An engineer is implementing NSR with OSPF on a large campus that requires high availability. Which task must an engineer perform to complete the process with minimal disruption to traffic?

Options:

- A- Reset OSPF neighbour sessions to maintain state information during router switchover
- B- Configure the device to repopulate state information using routing updates received from the BDR
- C- increase the keepalive interval on the OSPF neighbours so that traffic continues to pass during the switchover.
- D- Ensure that the dual HP has synchronized their state information before performing the switchover operation.

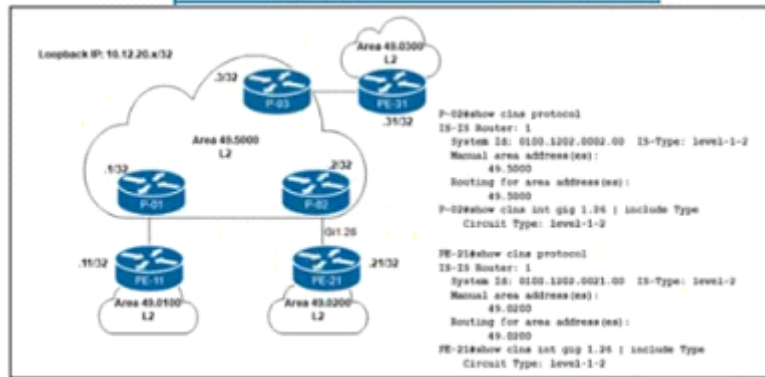
Answer:

D

Question 8

Question Type: MultipleChoice

Refer to the exhibit.



A network engineer notices PE-21 convergence degradation due to the growing LSDB size of Level 2 areas in the network. The engineer decides to migrate router PE-21 from an inter-area design to an intra-area implementation. Inter-area routing must be accomplished via an ATT-bit set by the Level 1/Level 2 router. Which configuration must the engineer implement on PE-21 to complete the migrate?

● configure terminal
router isis 1
no net 49.0200
net 49.5000
is-type level-1-2
end

● configure terminal
router isis 1
net 49.5000.0100.1202.0021.00
is-type level-1-2
end

● configure terminal
router isis 1
net 49.5000.0100.1222.0022.00
is-type level-1
end

● configure terminal
router isis 1
no net 49.0200.0100.1202.0021.00
net 49.5000.0100.1202.0021.00
is-type level-1
end

Options:

A- Option A

B- Option B

C- Option C

D- Option D

Answer:

D

Question 9

Question Type: MultipleChoice

After a series of unexpected device failures on the network, a Cisco engineer is deploying NSF on the network devices so that packets continue to be forwarded during switchovers. The network devices reside in the same holding, but they are physically separated into two different data centers. Which task must the engineer perform as part of the deployment?

Options:

- A- implement OSPF to maintain the link-state database during failover.
- B- implement VRFs and specify the forwarding instances that must remain active during failover.
- C- implement an L2VPN with the failover peer to share state information between the active and standby devices.
- D- implement Cisco Express Forwarding to provide forwarding during failover.

Answer:

C

Question 10

Question Type: MultipleChoice

Refer to the exhibit. The USER mat is connecting an application on an Internet connection in AS 100 is facing these issues:

The USER lost the connection to the application during a failure Between IG and R2.

Router R2 configuration a lost due to a power outage.

The application the USER is connecting to a hosted behind CE2.

What action resolves the issues on R3 and R4 routers?

Options:

- A-** Set R4 as a route reflector for R3 and CE2
- B-** Apply high Local Preference on R3 toward R1
- C-** Set R3 as a route reflector for R4 and CE1
- D-** Apply low Local Preference on R4 toward R2.

Answer:

D

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