



**Free Questions for 350-501 by dumpssheet**

**Shared by Logan on 20-10-2022**

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# Question 1

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**Question Type:** MultipleChoice

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Refer to the exhibit.

Lo0: 172.18.10.1/32

Lo0: 172.19.10.10/32



```
PE1#show bgp * all summary
```

```
For address family: IPv4 Unicast
```

```
BGP router identifier 172.18.10.1, local AS number 65111
```

```
BGP table version is 1, main routing table version 1
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Dpwn	State/PfxRcd
172.19.10.10	4	65111	0	0	1	0	0	00:02:25	Idle

```
For address family: IPv6 Unicast
```

```
BGP router identifier 172.18.10.1, local AS number 65111
```

```
BGP table version is 1, main routing table version 1
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Dpwn	State/PfxRcd
172.19.10.10	4	65111	6	6	1	0	0	00:02:16	0

An administrator working for large ISP must connect its two POP sites to provide internet connectivity to its customers. Which configuration must the administrator perform to establish an iBGP session between routers PE1 on POP site 1 and PE2 on POP site 2?

### Options:

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- A-** PE2#configure terminal PE2(config)#router bgp 65111 PE2(config-router)#no neighbor 172.18.10.1 shutdown PE2(config-router)#end
- B-** PE1#configure terminal PE1(config)#router bgp 65111 PE1(config-router)#no neighbor 172.19.10.10 shutdown PE1(config-router)#end
- C-** PE1#configure terminal PE1(config)#router bgp 65111 PE1(config-router)#address-family ipv4 unicast PE1(config-router-af)#neighbor 172.19.10.10 activate PE1(config-router-af)#end
- D-** PE2#configure terminal PE2(config)#router bgp 65111 PE2(config-router)#address-family ipv4 unicast PE2(config-router-af)#neighbor 172.18.10.1 activate PE2(config-router-af)#end

### Answer:

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D

## Question 2

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### Question Type: MultipleChoice

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A network architect decides to expand the scope of the multicast deployment within the company network. The network is already using PIM-SM with a static RP that supports a high-bandwidth, video-based training application that is heavily used by the employees, but excessive bandwidth usage is a concern. How must the engineer update the network to provide a more efficient multicast

implementation'?

**Options:**

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- A-** Configure IGMP to manage the multicast hosts on each LAN
- B-** implement BSR to support dynamic RP notification.
- C-** Deploy ICMP to Improve multicast reachability across the network using static RP.
- D-** Implement STP to improve switching performance for multicast data.

**Answer:**

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A

## Question 3

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**Question Type: MultipleChoice**

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A network operator working for a telecommunication company with an employee Id: 4065 96080 it trying to implement BFD configuration on an existing network of Cisco devices Which task must the engineer perform to enable BFD on the interfaces?

### Options:

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- A- Disable Cisco Express Forwarding on the interfaces
- B- Disable SSO on the interfaces
- C- Remove any static routes that point to the interfaces
- D- Remove the log option from any ACLs on the interfaces.

### Answer:

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D

## Question 4

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### Question Type: MultipleChoice

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Refer to the exhibit. EIGRP is running across the core to exchange internal routes, and each router maintains BGP adjacency with the other routers on the network. An operator has configured static routes on the edge routers R1 and R2 for IP address 10.0.1.1, which is used as a black hole route as shown. Which configuration should the operator implement on the management router to create a route map that will redistribute lagged static routes into BGP and create a static route to blackhole traffic with tag 777 that is destined to server at 192.168.10.100?

```
router(config)# router bgp 55100
router(config-router)# redistribute connected

router(config)# ip route 192.168.10.100 255.255.255.255 tag 777

router(config)# router bgp 55100
router(config-router)# redistribute static route-map blackhole-trigger

router(config)# ip route 192.168.10.100 255.255.255.255 Null0 tag 777

router(config)# router bgp 55100
router(config-router)# redistribute connected route-map blackhole-trigger

router(config)# ip route 192.168.10.100 255.255.255.255 Null0 tag 777

router(config)# router bgp 55100
router(config-router)# redistribute static route-map blackhole-trigger

router(config)# ip route 10.0.1.1 255.255.255.255 Null0 tag 777
```

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### Options:

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

### Answer:

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D

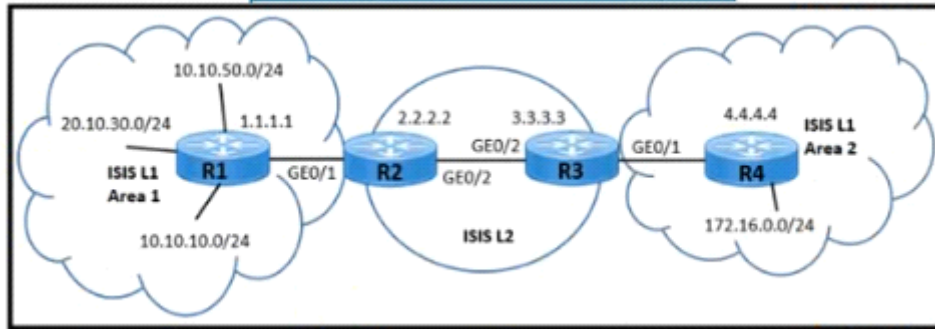
## Question 5

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**Question Type: MultipleChoice**

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Refer to the exhibit.



A network engineer must meet these requirements to provide a connects, solution:

The customer connected to Area 2 needs to access the application in Area 1 on the 10.10.10.0/24 subnet

The Customer must not have access to the 20.10 30.0/24 subnet.

The service provider must make sure that the Area 2 routing database limits the number of IP addresses in the routing table

Which two configurations must be implemented to meet the requirements? (Choose two)

**Options:**

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**A-** Set a tag value of 200 to match the summary address 10.0.0/16 on R2.



- B-** Set a tag value of 200 to match the summary address 10.0.0.0/16 on R3.
- C-** Apply the route map for tag 200 and leak Level 2 routes into Level 1 Area 2 on R3
- D-** Apply the route map for tag 200 and teak Level 2 routes into Level 1 Area 2 on R4.
- E-** Set a tag value of 200 to match the summary address 10.0.0./16 on R1.

### Answer:

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B, C

## Question 6

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### Question Type: MultipleChoice

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Refer to me exhibit. An engineer started lo configure a router for OSPF. Which configuration must me engineer perform on me router without changing any interface configuration so that the router establishes an OSPF neighbor relationship with its peer?

- router(config)# router ospf 11router(config-if)# no passive-interface ethernet 1/1
- router(config)# interface ethernet 1/1router (config-if)# ip ospf priority 0
- router(config)# interface ethernet 1/1router(config-if)# ip ospf hello-interval
- router(config)# interface ethernet 1/1router(config-if)# no shutdown

**Options:**

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

**Answer:**

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A

## Question 7

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**Question Type: MultipleChoice**

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When Cisco IOS XE REST API uses HTTP request methods what is the purpose of a PUT request?

**Options:**

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- A- retrieves the specified resource or representation
- B- submits data to be processed to the specified resource

**C-** updates the specified resource with new information

**D-** creates a new resource

**Answer:**

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C

## Question 8

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**Question Type: MultipleChoice**

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A network administrator is planning a new network with a segment-routing architecture using a distributed control plane. How is routing information distributed on such a network?

**Options:**

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**A-** Each segment is signalled by an SR controller, but each segment makes its own steering decisions based on SR policy.

**B-** Each segment is signalled by MPLS, and each segment makes steering decisions based on the routing policy pushed by BGP.

**C-** Each segment is signalled by an SR controller that makes the steering decisions for each node.

**D-** Each segment is signalled by a compatible routing protocol and each segment makes its own steering decisions based on SR policy.

**Answer:**

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D

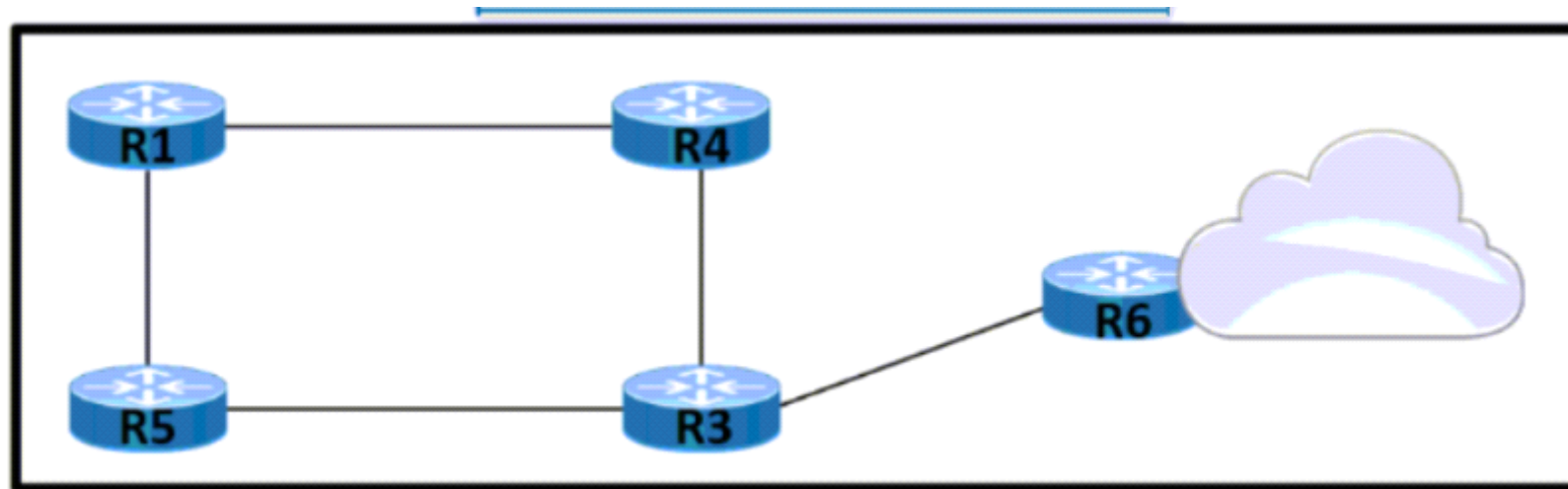
## Question 9

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**Question Type:** MultipleChoice

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Refer to the exhibit. An organization's network recently experienced several significant outages due to device failures. The network administrator just moved the network devices to a new central data center, and packets are switched using labels. The administrator is now implementing NSF on the network to reduce potential risk factors in the event of another outage. Which task must the administrator perform on each router as part of the process?



**Options:**

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- A- Remove route filtering to speed repopulation of the link-state database
- B- Copy the router s existing state information and share the file with its peers to enable BGP soft resets
- C- Implement MPLS to forward packets while the RIB updates after a faliover.
- D- Implement Graceful Restart to mitigate the delay in MPLS LDP synchronization when the IGP starts up.

**Answer:**

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D

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