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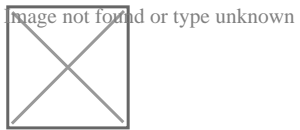
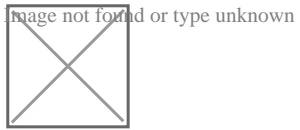
Check the Links on Last Page

Question 1

Question Type: MultipleChoice

Simulation 8

Refer to the exhibit.



Options:

A) See the solution below

Answer:

A

Explanation:

Solution

R3

```
router bgp 65413
```

```
add ipv4
```

```
nei 2.2.2.2 allowas-in
```

```
nei 4.4.4.4 allowas-in
```

```
add ipv6
```

```
nei 2001:db8:4:4:4::4 allowas-in
```

```
end
```

```
copy run start
```

```
=====
```

R2

```
router bgp 65413
```

```
nei 1.1.1.1 as-override
```

```
nei 3.3.3.3 as-override
```

```
end
```

```
copy run start
```

```
=====
```

```
R3
```

```
router bgp 65413
```

```
nei 10.3.4.2 remot 65412
```

```
nei 2001:db8:3:4::2 remot 65412
```

```
nei 2001:db8:4:4:4:4::4 remot 65412
```

```
nei 2001:db8:4:4:4:4::4 ebgp-multihop 10
```

```
add ip4
```

```
nei 10.3.4.2 act
```

```
ex
```

```
add ipv6
```

```
nei 2001:db8:4:4:4:4::4 activate
```

```
nei 2001:db8:4:4:4:4::4 ebgp-multihop 10
```

```
nei 2001:db8:3:4::2 act
```

```
end
```

```
copy run start
```

```
=====
```

```
R4
```

```
router bgp 65412
```

```
nei 10.3.4.1 remot 65413
```

```
nei 2001:db8:3:3:3:3::3 remot 65413
```

```
nei 2001:db8:3:3:3:3::3 ebgp-multihop 10
```

```
nei 2001:db8:3:4::1 remot 65413
```

```
add ipv4
```

```
nei 10.3.4.1 remot act
```

```
nei 10.3.4.1 prefix-limit 10
```

```
add ipv6
```

nei 2001:db8:3:3:3:3:3 activate

nei 2001:db8:3:3:3:3:3 ebgp-multihop 10

nei 2001:db8:3:3:3:3:3 prefix-limit 10

nei 2001:db8:3:4::1 activate

nei 2001:db8:3:4::1 prefix-limit 10

end

copy run start

Question 2

Question Type: MultipleChoice

Simulation 7

Refer to the exhibit.

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Options:

A) See the solution below

Answer:

A

Explanation:

R1

key chain AUTH_ISIS

key 2

key-string C1sco!

exit

int range et0/0 , et1/0

```
isis authen key-chain AUTH_ISIS
```

```
ip isis
```

```
isis metric 15
```

```
Copy run start
```

```
R2
```

```
key chain AUTH_ISIS
```

```
key 2
```

```
key-string C1sco!
```

```
exit
```

```
int range et0/0 , et1/0
```

```
isis authen key-chain AUTH_ISIS
```

```
ip isis
```

```
isis metric 20
```

```
Copy run start
```

```
R3
```


key chain AUTH_ISIS

key 2

key-string C1sco!

exit

int range et0/0 , et1/0

isis authen key-chain AUTH_ISIS

ip isis

isis metric 25

Copy run start

Question 3

Question Type: MultipleChoice

Simulation 6

Refer to the exhibit.

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Options:

A) See the solution below

Answer:

A

Explanation:

R1

```
router bgp 100
```

```
address-family ipv4
```

```
nei 172.16.0.2 route-map R1-TO-R2 in
```

```
network 10.1.1.1 mask 255.255.255.255
```

```
copy run start
```

```
R2
```

```
router bgp 200
```

```
address-family ipv4
```

```
network 10.2.2.2 mask 255.255.255.255
```

```
nei 172.16.0.1 route-map R2-TO-R1 in
```

```
copy run start
```

Question 4

Question Type: MultipleChoice

Simulation 5

Refer to the exhibit.

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Options:

A) See the solution below

Answer:

A

Explanation:

R1

```
router ospf 10
```

```
redistribute static
```

```
int et0/0
```

```
ip ospf hello-interval 5
```

```
ip ospf dead-interval 10
```

```
ip ospf cost 15
```

```
ip ospf 10 area 0
```

```
copy run start
```

```
R2
```

```
router ospf 10
```

```
redistribute static
```

```
int et0/0
```

```
ip ospf hello-interval 5
```

```
ip ospf dead-interval 10
```

```
ip ospf cost 15
```

```
ip ospf 10 area 0
```

```
copy run start
```

Question 5

Question Type: MultipleChoice

SIMULATION 4

Refer to the exhibit.

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Options:

A) See the solution below

Answer:

A

Explanation:

R1

Router bgp 65515

No bgp default ipv4-unicast

Neig 2.2.2.2 remote-as 65516

Nei 2.2.2.2 update-soc loopback0

Nei 2.2.2.2 ebgp-multihop 2

Neig 2.2.2.2 pass C1sc0!

Nei 2000:cc13:cc13:2::1 remote-as 65516

Nei 2000:cc13:cc13:2::1 update-so loopback0

Nei 2000:cc13:cc13:2::1 pass C1sc0!

Nei 2000:cc13:cc13:2::1 ebgp-multihop 2

Address-family ipv4

Neig 2.2.2.2 activate

Address-family ipv6

Nei 2000:cc13:cc13:2::1 activate

Ip route 2.2.2.2 255.255.255.255 192.168.1.2

Ipv6 route 2000:cc13:cc13:2::1/128 2000:cc13:cc13:cc13::2

R2

Router bgp 65516

No bgp default ipv4-unicast

Neig 1.1.1.1 remote-as 65515

Nei 1.1.1.1 update-soc loopback0

Nei 1.1.1.1 pass C1sc0!

Nei 1.1.1.1 ebgp-multihop 2

Nei 2000:cc13:cc13:1::1 remote-as 65515

Nei 2000:cc13:cc13:1::1 update-so loopback0

Nei 2000:cc13:cc13:1::1 pass C1sc0!

Nei 2000:cc13:cc13:1::1 ebgp-multihop 2

Address-family ipv4

Neig 1.1.1.1 activate

Address-family ipv6

Nei 2000:cc13:cc13:1::1 activate

Ip route 1.1.1.1 255.255.255.255 192.168.1.1

Ipv6 route 2000:cc13:cc13:1::1/128 2000:cc13:cc13:cc13::1

Question 6

Question Type: MultipleChoice

Simulation 3

Refer to the exhibit.

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Options:

A) See the solution below

Answer:

A

Explanation:

TASK1:

Run "sh run" command on both routers, check if there is any "router ospf" configured. If it's configured, check if Loopback0 ip it's being used as OSPF ID. If it's, jump to TASK2. Otherwise run:

R1

```
router ospf 10
```

```
router-id 10.1.1.1
```

R2

```
router ospf 10
```

```
router-id 10.2.2.2
```

TASK2:

R1 & R2

```
int lo0
```

```
ip ospf 10 area 0
```

```
ip ospf network point-to-point
```

```
!
```

```
int e0/0
```

```
ip ospf network point-to-point
```

```
ip ospf 10 area 0
```

```
ip ospf authentication message-digest
```

```
ip ospf message-digest-key 1 md5 C1sc0!
```

```
!
```

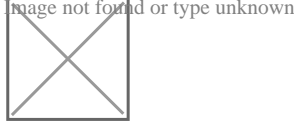
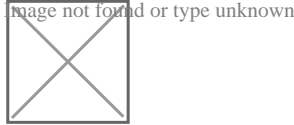
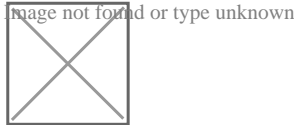
Question 7

Question Type: MultipleChoice

Simulation2

TOPOLOGY

Refer to the exhibit.



Options:

A) See the solution below

Answer:

A

Explanation:

R1

R1

R2

```
R1>enabler1
Translating "enabler1"...domain server (255.255.255.255)
(255.255.255.255)
Translating "enabler1"...domain server (255.255.255.255)

% Bad IP address or host name
% Unknown command or computer name, or unable to find computer address
R1>
R1>
R1>en          I
R1#config t
Enter configuration commands, one per line.  End with CNTL/Z.
R1(config)#router bgp 100
R1(config-router)#nei
R1(config-router)#neighbor 10.2.2.2 rem
R1(config-router)#neighbor 10.2.2.2 remote-as 200
R1(config-router)#nei
R1(config-router)#neighbor 10.2.2.2 eb
R1(config-router)#neighbor 10.2.2.2 ebgp-multihop 2
R1(config-router)#nei
R1(config-router)#neighbor 10.2.2.2 up
R1(config-router)#neighbor 10.2.2.2 update-source lo
R1(config-router)#neighbor 10.2.2.2 update-source lo0
R1(config-router)#exit
R1(config)#exit
R1#copy run s
*Apr  9 13:59:08.990: %SYS-5-CONFIG_I: Configured from console by console
```

R2

R1

R2

```
R2>
R2> CHINESEDUMPS
R2>en
R2#config t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#router bgp 200
R2(config-router)#nei
R2(config-router)#neighbor 10.1.1.1 remo
R2(config-router)#neighbor 10.1.1.1 remote-as 100
R2(config-router)#nei
R2(config-router)#neighbor 10.1.1.1 up
R2(config-router)#neighbor 10.1.1.1 update-source lo
R2(config-router)#neighbor 10.1.1.1 update-source lo0
R2(config-router)#nei
R2(config-router)#neighbor 10.1.1.1 e
R2(config-router)#neighbor 10.1.1.1 ebgp-multihop 2
R2(config-router)#^Z
R2#
*Apr  9 13:59:48.470: %BGP-5-ADJCHANGE: neighbor 10.1.1.1 Up
*Apr  9 13:59:48.646: %SYS-5-CONFIG_I: Configured from console
e by console
R2#
R2#copy run star
R2#copy run startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
R2#
```



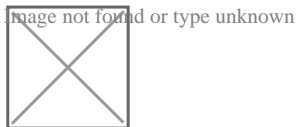
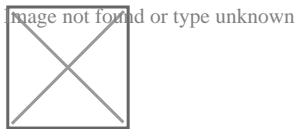
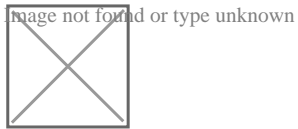
```
R2#  
*Apr 9 13:59:48.430: %BGP-5-ADJCHANGE: neighbor 10.1.1.1 Up  
*Apr 9 13:59:48.646: %SYS-5-CONFIG_I: Configured from console  
e by console  
R2#
```

Question 8

Question Type: MultipleChoice

Simulation1

Refer to the exhibit.



Options:

A) See the solution below

Answer:

A

Explanation:

SOLUTION:-

R1

Config t

router isis 1

net 49.0001.0010.0001.0101.00

area-password C1sc0!

int et0/0

ip router isis 1

isis authen mode text level-2

isis circuit-type level-2

isis tag 1

int et1/0

ip router isis 1

isis authen mode text level-2

isis circuit-type level-2

isis tag 1

R2

router isis 2

net 49.0001.0010.0002.0202.00

area-password C1sc0!

int et0/0

ip router isis 2

isis authen mode text level-2

isis circuit-type level-2

isis tag 2

int et1/0

ip router isis 2

isis authen mode text level-1

isis circuit-type level-1

isis tag 2

R3

router isis 3

net 49.0001.0010.0003.0303.00

area-password C1sc0!

int et0/0

ip router isis 3

isis authen mode text level-1

isis circuit-type level-1

isis tag 3

int et1/0

ip router isis 3

isis authen mode text level-2

isis circuit-type level-2

isis tag 3

R1 Verification: -

```
R1#show isis neighbors
Tag 1:
System Id      Type Interface      IP Address      State Holdtime Circu
it Id
R2             L2 Et0/0             172.20.1.2     UP      8      R2.02
R3             L2 Et1/0             172.20.2.3     UP      8      R3.02
Tag null:
```

R1

Config t

Ipv6 unicast-routing

Router isis 1

Metric-style wide

Address-family ipv6 unicast

Multi-topology

Int loop0

Ip router isis 1

Ipv6 router isis 1

Isis tag 1

Int et0/0

Ipv6 router isis 1

Int et1/0

Ipv6 router isis 1

R2

Config t

Ipv6 unicast-routing

Router isis 2

Metric-style wide

Address-family ipv6 unicast

Multi-topology

Int loop0

Ip router isis 2

Ipv6 router isis 2

Isis tag 2

Int et0/0

Ipv6 router isis 2

Int et1/0

Ipv6 router isis 2

R3

Config t

Ipv6 unicast-routing

Router isis 3

Metric-style wide

Address-family ipv6 unicast

Multi-topology

Int loop0

Ip router isis 3

Ipv6 router isis 3

Isis tag 3

Int et0/0

Ipv6 router isis 3

Int et1/0

Ipv6 router isis 3

R1 Ipv6 Verification: -


```
R1#show clns neighbors
```

CHINESEDUMPS

```
Tag 1: 通过测试
```

System Id	Interface	SNPA	State	Holdtime	Type
R2 IS-IS	Et0/0	aabb.cc00.0200	Up	9	L2
R3 IS-IS	Et1/0	aabb.cc00.0301	Up	7	L2

CHINESEDUMPS

通过测试

```
Tag null:
```

```
R1#sh ipv6 route
IPv6 Routing Table - default - 8 entries
Codes: C - Connected, L - Local, S - Static, U - Per-user Static route
        B - BGP, HA - Home Agent, MR - Mobile Router, R - RIP
        H - NHRP, I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea
        IS - ISIS summary, D - EIGRP, EX - EIGRP external, NM - NEMO
        ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redir
ect
        RL - RPL, O - OSPF Intra, OI - OSPF Inter, OE1 - OSPF ext 1
        OE2 - OSPF ext 2, ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
        la - LISP alt, lr - LISP site-registrations, ld - LISP dyn-eid
        lA - LISP away, a - Application
C 2000:CC13:CC13:2020::/64 [0/0]
  via Ethernet0/0, directly connected
L 2000:CC13:CC13:2020::1/128 [0/0]
  via Ethernet0/0, receive
I2 2000:CC13:CC13:2021::/64 [115/20]
  via FE80::A8BB:CCFF:FE00:200, Ethernet0/0
C 2000:CC13:CC13:2030::/64 [0/0]
  via Ethernet1/0, directly connected
L 2000:CC13:CC13:2030::1/128 [0/0]
  via Ethernet1/0, receive
I2 2000:CC13:CC13:2031::/64 [115/20]
  via FE80::A8BB:CCFF:FE00:301, Ethernet1/0
I2 2000:CC13:CC13:2040::/64 [115/20]
  via FE80::A8BB:CCFF:FE00:301, Ethernet1/0
L FF00::/8 [0/0]
  via Null0, receive
R1#
```

R1

Copy run start

R2

Copy run start

R3

Copy run start

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