

Networking Associate Exam

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Question 1

A customer is using the following subnets in their environment:

Desktops 192.168.1.0/24

Servers 192.168.2.0/24

Printers 192.168.7.0/24

DMZ 172.16.10.0/24

The customer has run out of IP space in their desktop subnet. More IPs for desktops must be provided with the

least disruptive change to the environment.

Which desktop subnet meets the requirements?

Options:

A. 192.168.6.0/24

B. 192.168.2.0/23

C. 192.168.4.0/23

D. 192.168.0.0/23

Answer: D

Question 2

Which of the following is the IPv6 loopback?

Options:

A. 1: :/128

B. : :0/128

C. : :1/128

D. 1::1/0

Answer: C

Question 3

A technician needs to create multiple subnets to make sure there are at least 20 available IP addresses per subnet.

Which three subnets meet the requirements for the 172.21.254.0/25 network. (Choose three.)

Options:

- A. 172.21.254.48/27
- B. 172.21.254.0/27
- C. 172.21.254.96/27
- D. 172.21.254.16/27
- E. 172.21.254.64/27
- F. 172.21.254.98/27

Answer: B, C, E

Question 4

A technician is applying a switch configuration to an N-Series switch to provide Internet access to all connected

subnets. The technician has connected a computer and assigned it an IP address, subnet mask, DNS, and gateway address. The technician is unable to browse the Internet from that computer.

What is causing the issue?

Options:

- A. DHCP Snooping has blocked the host.
- B. The static routes in the configuration file are incorrect.
- C. The "ip helper-address" command is configured on the switch.
- D. Spanning Tree blocked the port going to the PC.

Answer: B

Question 5

A technician configures RIP on a new N-Series switch to connect to an existing switch that runs RIP. The routing table is not populating even after the network statements are added.

What is a possible cause of this issue?

Options:

- A. The existing switch has not been configured with the command "hostroutesaccept".
- B. The new switch's interface is in the wrong subnet to form a RIP relationship.
- C. The "ip helper-address" command has not been configured on the existing switch.
- D. The other switch is not a root bridge and cannot form an RIP relationship.

Answer: B

Question 6

A technician needs to add an IP for management. When adding an IP, the technician received the following message:

```
Console (config-if-vlan1) #ip address 10.16.24.32/27
```

Failed to set IP address on interface.

What is causing this message?

Options:

- A. An IP cannot be assigned to VLAN 1.
- B. A subnet address cannot be assigned to a VLAN.
- C. /27 cannot be used in an address command.
- D. A host address cannot be assigned to a VLAN.

Answer: B

Question 7

How will RIP treat packets that have exceeded the default maximum hop count?

Options:

- A. RIP will return the traffic back to the last hop and retransmit via another path.
- B. RIP will consider the destination subnet to be reachable.
- C. RIP will place traffic in a buffer until the hop count is manually reset.
- D. RIP will consider the destination subnet to be unreachable.

Answer: D

Question 8

Refer to the exhibit.

```
Console#show ip rip interface vlan 10
```

```
Interface..... vl10
IP Address..... 10.10.10.2
Send version.....RIP-2
Receive version..... RIP-2
RIP Admin Mode.....Enable
Link State.....Up
Authentication Type.....None
Bad Packets Received.....1
Bad Routes Received.....0
Updates Sent.....1
```

```
console#show ip route
<OUTPUT OMITTED>
```

```
No default gateway is configured.
C *10.10.10.0/30 [0/1] directly connected, vl10
C *10.10.30.0/30 [0/1] directly connected, vl30
```

A technician configures RIP on a new N-Series switch to connect to an existing switch that runs RIP. The new switch routing table is NOT populating even after the correct network statements are added. What is causing this issue?

Options:

- A. The new N-Series switch does not have "default-information originate" configured.
- B. The existing switch has been configured for "hostroutesaccept".
- C. The other switch is a root bridge and cannot form RIP relationships.
- D. The existing switch is configured to send and receive only for RIPv1.

Answer: D

Question 9

Which of the following is the starting prefix to denote a link local address?

Options:

- A. ff0x::
- B. 2001::
- C. fe80::
- D. fc00::

Answer: C

Question 10

Refer to the output:

```
console#show ip ospf neighbor
```

Router ID	Priority	IP Address	Interface	State	Dead Time
1.1.1.1	1	10.10.10.1	vl10	Full/PtP	35

How has OSPF been configured?

Options:

- A. For network type broadcast
- B. With a dead-timer mismatch
- C. For network type point-to-point
- D. With a Peer-to-Peer LSA learning of type 7 LSAs

Answer: C

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