



# Cisco

## 200-401 Exam

### Managing Industrial Networks with Cisco Networking

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**Question: 1**

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A small manufacturing company has a Class C network address on the plant floor and needs to create five subnets, each accommodating 25 endpoints. Which subnet mask needs to be configured?

- A. 255.255.240.0
- B. 255.255.255.128
- C. 255.255.255.192
- D. 255.255.255.224
- E. 255.255.255.240
- F. 255.255.255.248

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**Answer: D**

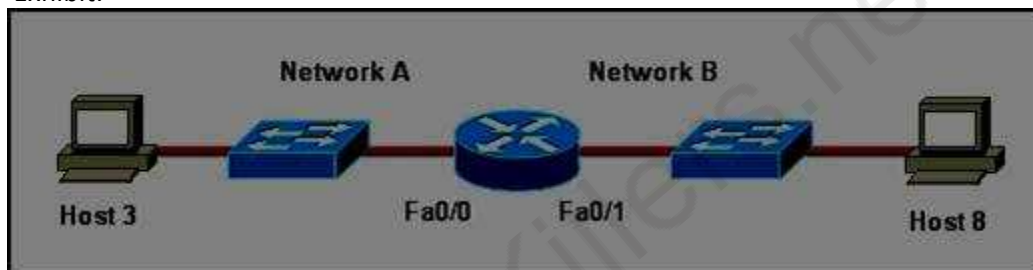
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**Question: 2**

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Exhibit:



Refer to the exhibit. Host 3 on Network A is sending data to Host 8 on Network B. Which address is the default gateway of Host 3?

- A. the address of the switch interface that is connected to router interface Fa0/0
- B. the address of the switch interface that is connected to router interface Fa0/1
- C. the address of the host that is connected to Network A
- D. the address of the host that is connected to Network B
- E. the address of the router interface Fa0/0
- F. the address of the router interface Fa0/1

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**Answer: E**

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**Question: 3**

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Which of the following correctly pairs the dotted decimal subnet mask with the correct number of binary bits that represent the subnet mask?

- A. 255.255.255.192 and /25
- B. 255.255.255.248 and /28
- C. 255.255.255.224 and /26
- D. 255.255.255.248 and /27

- E. 255.255.255.240 and /28
- F. 255.255.255.240 and /16

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**Answer: E**

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**Question: 4**

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Exhibit:

```
interface FastEthernet1/1
switchport access vlan 102
!
interface FastEthernet1/2
switchport access vlan 104
!
interface FastEthernet1/3
switchport access vlan 103
!
interface FastEthernet1/4
switchport access vlan 101
!
interface FastEthernet1/5
switchport trunk native vlan 103
switchport mode trunk
!
interface Vlan1
no ip address
!
```

```
!
interface Vlan101
ip address 192.168.1.1 255.255.255.0
!
interface Vlan102
ip address 192.168.2.1 255.255.255.0
!
interface Vlan103
ip address 192.168.3.1 255.255.255.128
!
interface Vlan104
ip address 192.168.3.129 255.255.255.128
!
ip classless
```

Refer to the exhibit. Which port should a PLC with IP address 192.168.3.65 be plugged into in order to communicate to the rest of the network?

- A. FastEthernet1/1
- B. FastEthernet1/2
- C. FastEthernet1/3
- D. FastEthernet1/4
- E. FastEthernet1/5

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**Answer: C**

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**Question: 5**

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Which option allows an EtherNet/IP I/O device to be safely installed where it is subject to water immersion?

- A. The device is rated IP20 and the power wiring is installed securely to the terminal block.
- B. The device is rated IP67 and a power cordset is used.
- C. The device is rated IP67 and immersed to 10 m.
- D. The device is rated IP20 and immersed to 10 m.

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**Answer: B**

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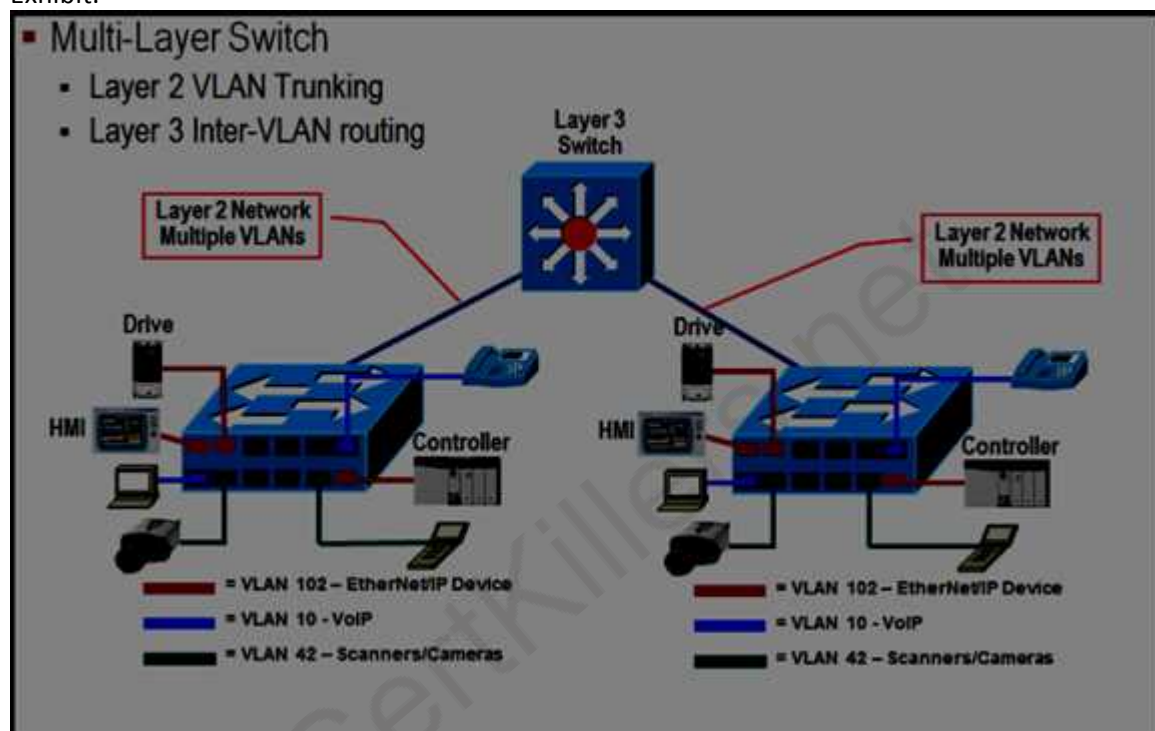


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**Question: 6**

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Exhibit:



Refer to the exhibit. What are three traffic and interconnection requirements for the devices in the exhibit? (Choose three.)

- A. The EtherNet/IP drive connections are in a high-voltage area and need protection from electromagnetic noise, so shielded cable that is rated for 600 V is advised.
- B. EtherNet/IP devices such as the controller, drive, VoIP phone, and IP camera should be in the same VLAN.
- C. CIP traffic has the highest bandwidth requirement so it needs the highest QoS setting.
- D. EtherNet/IP drive traffic has high sensitivity to random drops, latency, and jitter.
- E. Real-time motion control and VoIP traffic can share the same VLAN with the proper QoS setting.
- F. IEEE1588 and PTP are important for ensuring real-time synchronization.

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**Answer: A, D, F**

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