



600-601^{Q&As}

Managing Industrial Networks with Cisco Networking Technologies

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QUESTION 1

At which Layer would you check ACLs for TCP ports being blocked?

- A. Layer 1
- B. Layer 2
- C. Layer 3 D. Layer 4

Correct Answer: D

QUESTION 2

What are the two most relevant factors in determining the class of administration that is required to maintain the telecommunications infrastructure? (Choose two.)

- A. the size of the infrastructure
- B. the complexity of the infrastructure
- C. the age of the infrastructure
- D. the industry that the infrastructure supports
- E. the physical environment of the infrastructure

Correct Answer: AB

QUESTION 3

Exhibit:



Which two statements are correct for a safe wiring installation to the terminal block of the switch or endpoint? (Choose two.)

- A. Insert a green ground wire into the terminal block that is marked RT for return.

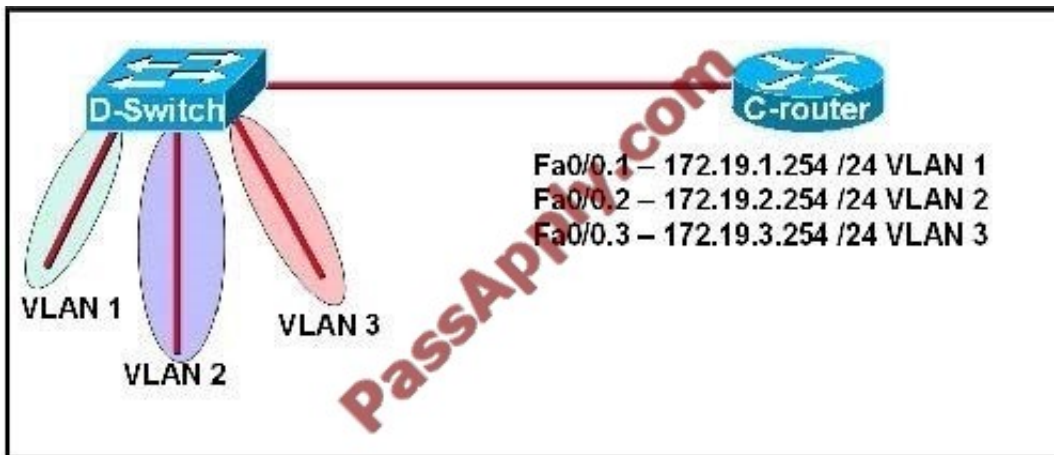


- B. Verify that DC power is live and within 24 VDC voltage range before starting wiring.
- C. Verify that the DC power circuit includes an overcurrent protective device that limits the DC current to 5
- D.
- E. Because this is a low-voltage DC circuit, anyone can install this wiring without electrical training or qualifications.
- F. Connect the positive 24 VDC conductor to the V terminal and connect the negative 24 VDC return wire to the RT terminal.
- G. A ground wire can optionally be connected to the screw terminal on the front of the switch.

Correct Answer: CE

QUESTION 4

Exhibit:



Refer to the exhibit. C-router is to be used as a "router-on-a-stick" to route between the VLANs. All the interfaces have been properly configured and IP routing is operational. The hosts in the VLANs have been configured with the appropriate default gateway. What is true about this configuration?

- A. These commands need to be added to the configuration:
C-router(config)# router eigrp 123
C-router (config-router)# network 172.19.0.0
- B. These commands need to be added to the configuration:
C-router(config)# router ospf 1
C-router (config-router)# network 172.19.0.0 0.0.3.255 area 0
- C. These commands need to be added to the configuration:
C-router(config)# router rip
C-router(config-router)# network 172.19.0.0
- D. No further routing configuration is required.

Correct Answer: D

QUESTION 5



With a Cisco IE 2000 switch, what does a port status LED indicate when it is solid green?

- A. The port is sending or receiving data.
- B. A link is present.
- C. No link is present.
- D. There is a link fault.
- E. The port is not forwarding.

Correct Answer: B

QUESTION 6

What is a reason to use privileged EXEC mode on an industrial switch?

- A. to verify commands that you have entered
- B. to change terminal settings
- C. to configure VLAN parameters
- D. to configure parameters that apply to the entire switch

Correct Answer: A

QUESTION 7

Exhibit:

```
Switch# show spanning-tree vlan 30
VLAN0030
Spanning tree enabled protocol rstp
Root ID Priority 24606
Address 00d0.047b.2800
This bridge is the root
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Bridge ID Priority 24606 (priority 24576 sys-id-ext 30)
Address 00d0.047b.2800
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 300
Interface    Role  Sts  Cost  Prio.Nbr  Type
-----
Fa1/1       Desg FWD   4     128.1    p2p
Fa1/2       Desg FWD   4     128.2    p2p
Fa5/1       Desg FWD   4     128.257  p2p
```



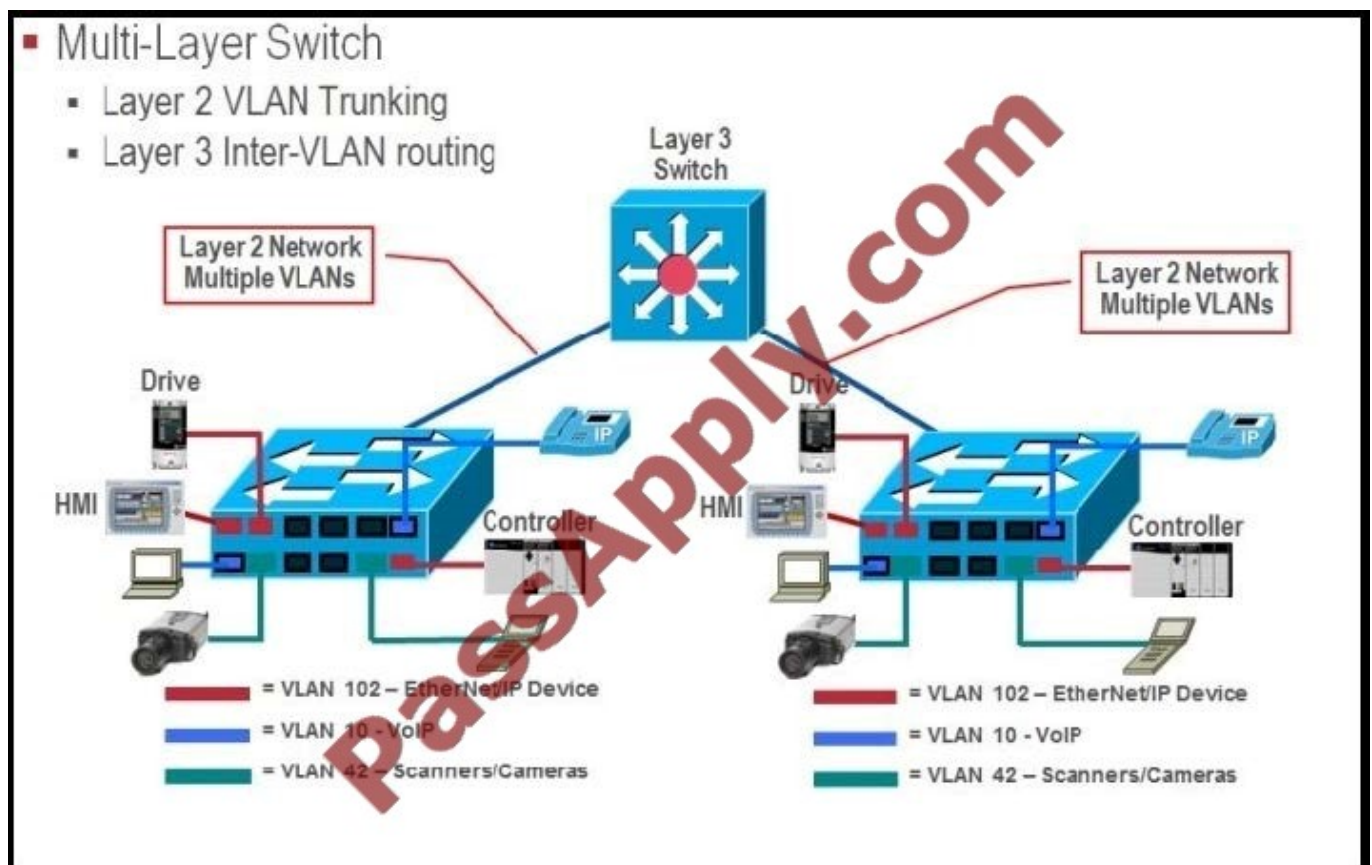
Refer to the exhibit. The output that is shown is generated at an industrial switch. Which three statements are true? (Choose three.)

- A. All ports will be in a state of discarding, learning, or forwarding.
- B. Thirty VLANs have been configured on this switch.
- C. The bridge priority is lower than the default value for spanning tree.
- D. All interfaces that are shown are on shared media.
- E. All designated ports are in a forwarding state.
- F. This switch must be the root bridge for all VLANs on this switch.

Correct Answer: ACE

QUESTION 8

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.

Correct Answer: ADF

QUESTION 9

What are two symptoms of duplex mismatch? (Choose two.)

- A. Ping does not return from one direction versus the other direction.
- B. Communication is slow and locks up.
- C. Speed is seen equally slow in both directions.
- D. The half-duplex side sees frame sequence errors or runt frames.
- E. The full-duplex side sees CRC errors.

Correct Answer: BD

QUESTION 10

Which two reasons make mesh bonding systems most effective? (Choose two.)

- A. cover wide areas
- B. provide additional strength to floor structures
- C. provide low-impedance noise-equalizing paths
- D. create equipotential grounding systems
- E. most cost-effective approach

Correct Answer: CD

QUESTION 11

You are called upon to troubleshoot connectivity problems to a network device on a production floor. You have used ping and traceroute to verify that you cannot connect to the device from the management network. The network is 209.165.202.128/27 and the device has been given the IP address 209.165.202.158 and mask 255.255.255.224. You have verified that you can reach the device with your computer connected to the same switch as the device. What could be the cause of this problem?

- A. The device is set to the wrong subnet mask.



- B. The device is set to the wrong IP address.
- C. The device has no IP default gateway.
- D. The device is connected to a switchport in the wrong VLAN.

Correct Answer: C

QUESTION 12

What are two benefits that are provided by proper grounding and bonding systems? (Choose two.)

- A. higher speed communications
- B. safe discharge of electrostatic energy
- C. lower equipment power consumption
- D. equipotential termination points for equipment and cable shields
- E. lowest carbon footprint

Correct Answer: BD

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