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Vendor:Cisco

Exam Code:600-601

Exam Name:Managing Industrial Networks with Cisco
Networking Technologies

Version:Demo

QUESTION 1

At which Layer would you use trace route to validate the path?

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

Correct Answer: C

QUESTION 2

Select and Place:

Drag the steps on the left and arrange them in the order they should be completed when commissioning an industrial Ethernet switch on the right.

Wire the switch to the DC power supply	Step 1
Wire the DC power supply	Step 2
Mount the switch on the DIN rail	Step 3
Connect Patch cords	Step 4
Wire the switch ground to common ground	Step 5
Perform Switch configuration	Step 6

Correct Answer:

Drag the steps on the left and arrange them in the order they should be completed when commissioning an industrial Ethernet switch on the right.

	Mount the switch on the DIN rail
	Wire the switch ground to common ground
	Wire the DC power supply
	Wire the switch to the DC power supply
	Perform Switch configuration
	Connect Patch cords

QUESTION 3

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

Correct Answer: E

QUESTION 4

With what are APC connectors used?

- A. Category 6a cables that need tight radius bends
- B. copper network cables in corrosive environments
- C. single-mode fiber-optic cables to reduce return loss
- D. high-density copper patch panels

Correct Answer: C

QUESTION 5

Which option best describes a mechanical, ingress, climatic, chemical and electromagnetic environment that is classified as M3 I3 C3 E3?

- A. the highest quality
- B. office environment
- C. severe
- D. serviced by multiple cable segments

Correct Answer: C

QUESTION 6

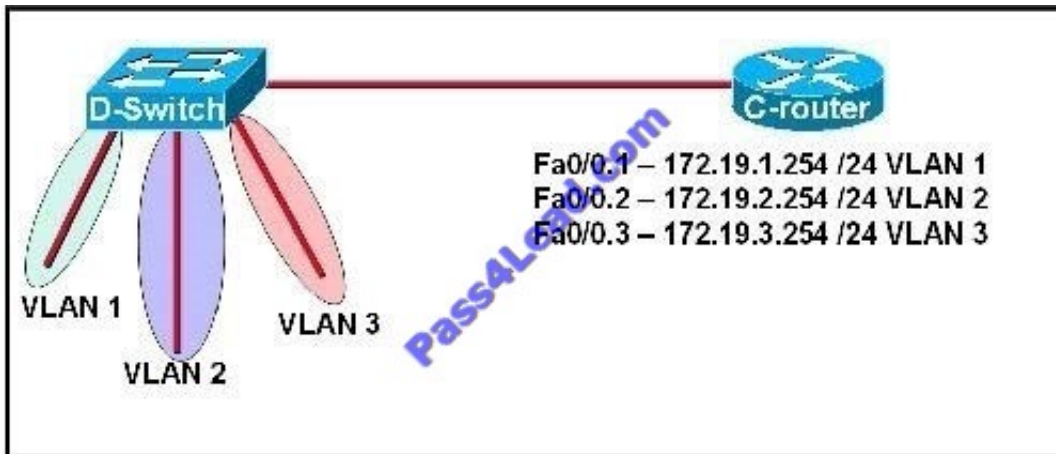
A small manufacturing company has a Class C network address on the plant floor and needs to create five subnets, each accommodating 25 endpoints. Which subnet mask needs to be configured?

- 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

Correct Answer: D

QUESTION 7

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 8

At which Layer would you check for spanning tree loops?

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

Correct Answer: B

QUESTION 9

A network administrator has subnetted the 172.16.0.0 network using a subnet mask of 255.255.255.192. A duplicate IP address of 172.16.2.120 has accidentally been configured on a workstation in the network. The technician on the plant floor must assign this workstation a new IP address within that same subnetwork. Which address should be assigned to the workstation?

- A. 172.16.1.80
- B. 172.16.2.80
- C. 172.16.1.64
- D. 172.16.2.64
- E. 172.16.2.127
- F. 172.16.2.128

Correct Answer: B

QUESTION 10

Select and Place:

Drag the steps on the left and arrange them in the order they should be completed when removing an industrial switch from a DIN rail on the right.	
Disconnect all cables and connectors from the front panel of the switch.	Step 1
Pull the bottom of the switch away from the DIN rail and lift the hooks off the top of the DIN rail.	Step 2
Turn off power to the switch.	Step 3
Release the latch from the DIN rail using a flat head screw driver.	Step 4

Correct Answer:

Drag the steps on the left and arrange them in the order they should be completed when removing an industrial switch from a DIN rail on the right.

Turn off power to the switch.

Disconnect all cables and connectors from the front panel of the switch.

Release the latch from the DIN rail using a flat head screw driver.

Pull the bottom of the switch away from the DIN rail and lift the hooks off the top of the DIN rail.

QUESTION 11

For which three issues should fiber-optic network segments be tested? (Choose three.)

- A. attenuation
- B. near-end crosstalk
- C. length
- D. polarity
- E. jitter
- F. tensile stress

Correct Answer: ACD

QUESTION 12

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.

Correct Answer: B

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