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Cisco

Exam Questions 600-601
Managing Industrial Networks with Cisco Networking Technologies
NEW QUESTION 1
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

Answer: D

NEW QUESTION 2
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

Answer: E

NEW 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

Answer: E

NEW QUESTION 4
Refer to the exhibit. An industrial ruggedized network device needs to be installed in the place of the icon labeled Network Device to accommodate a leased line attachment to the Internet. Which network device and interface configuration meets the minimum requirements for this installation?

A. a router with two Ethernet interfaces  
B. a switch with two Ethernet interfaces  
C. a router with one Ethernet and one serial interface  
D. a switch with one Ethernet and one serial interface  
E. a router with one Ethernet and one modem interface

Answer: C

NEW QUESTION 5
You are troubleshooting a connectivity problem and want to isolate the problem. You suspect that a router on the route to an unreachable network is at fault. Which command would you issue to see where the packets stop?

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A. router#ping
B. router#traceroute
C. router#show ip route
D. router#show cdp neighbors
E. router#traceroute

Answer: E

**NEW QUESTION 6**
The network administrator is using a Windows PC application that is called putty.exe for remote communication to a switch for network troubleshooting. Which two protocols could be used during this communication? (Choose two).

A. SNMP
B. HTTP
C. Telnet
D. RMON
E. SSH

Answer: CE

**NEW QUESTION 7**
With a Cisco IE 2000 switch, what does a port status LED indicate when it is solid amber?

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.

Answer: E

**NEW QUESTION 8**
What are two recommended tools or commands that allow you to troubleshoot connectivity between two devices in different IP networks? (Choose two.)

A. show interface status
B. show spanning-tree
C. ping
D. show interfaces gigabitEthernet x/y switchport
E. traceroute
F. show interface

Answer: CE

**NEW QUESTION 9**
At which Layer would you use trace route to validate the path?

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

Answer: C

**NEW QUESTION 10**
At which Layer would you check ACLs for TCP ports being blocked?

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

Answer: D

**NEW QUESTION 11**
Which two pieces of information are commonly tracked as part of a change management process? (Choose two.)

A. reason for the change
B. names of people involved in the change
C. return on investment related to the change
D. SWOT analysis related to the change
E. scatter diagrams related to the change

Answer: AB

**NEW QUESTION 12**
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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

**Answer:** CD

NEW QUESTION 13

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