



200-601^{Q&As}

Managing Industrial Networks for Manufacturing with Cisco Technologies

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QUESTION 1

EtherNet/IP is an Ethernet implementation of which protocol?

- A. CIP
- B. Industrial Protocol
- C. DeviceNet
- D. ControlNet

Correct Answer: A

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

You have been tasked to design an Ethernet network capable of Motion control with cycle times not to exceed 1ms. In order to create a more deterministic network, what characteristic/s should you primarily focus on?

- A. Latency and Jitter
- B. Redundancy and high availability
- C. Explicit and Implicit messaging
- D. This cycle time is not possible on an Ethernet network
- E. Gigabit port speed

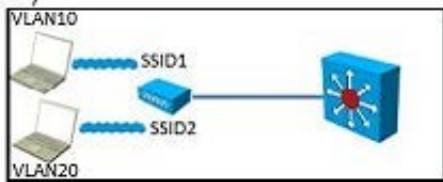
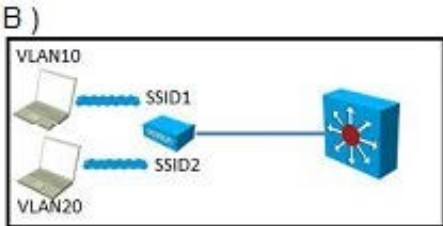
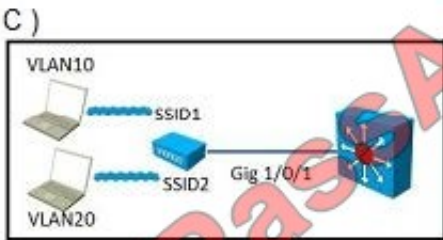
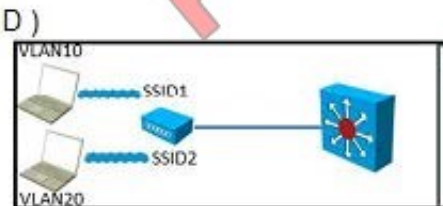
Correct Answer: A

QUESTION 4



Which scenario represents the correct configuration to support the SSIDs of this autonomous access point?

TSR Watermark Image - Unregistered version - This line is removed when registered

<p>A)</p> 	<pre>interface GigabitEthernet1/0/1 description *** to access point *** switchport access vlan 10 switchport trunk native vlan 20 switchport mode access</pre>
<p>B)</p> 	<pre>interface GigabitEthernet1/0/1 description *** to access point *** switchport access vlan 10 switchport trunk encapsulation dot1q switchport access vlan 20 switchport mode trunk</pre>
<p>C)</p> 	<pre>interface GigabitEthernet1/0/1 description *** to access point *** switchport trunk encapsulation isl switchport trunk native vlan 20 switchport trunk allowed vlan 10 switchport mode trunk</pre>
<p>D)</p> 	<pre>interface GigabitEthernet1/0/1 description *** to access point *** switchport trunk encapsulation dot1q switchport trunk allowed vlan 10,20 switchport mode trunk</pre>

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: D

QUESTION 5

You are making changes to a Stratix 5700 using an Add On Profile (AOP) and a controller which is on-line with RSLogix5000. When do the changes you have made get published to the switch?

- A. While online in RSLogix 5000 software the changes made in the AOP are pushed to the switch after pressing the Set button.



- B. All of the changes are automatically pushed to the switch.
- C. Changes to the AOP can only be made from the switch, not in RSLogix 5000.
- D. RSLogix 5000 will push the changes in the AOP to the Stratix 5700 when you right click on the switch, and choose download to switch

Correct Answer: A

QUESTION 6

<small>Disclaimer: This is a sample question and is not intended to be used for any purpose other than for learning and understanding the concepts. This is a sample question and is not intended to be used for any purpose other than for learning and understanding the concepts.</small>	
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:

<small>Disclaimer: This is a sample question and is not intended to be used for any purpose other than for learning and understanding the concepts. This is a sample question and is not intended to be used for any purpose other than for learning and understanding the concepts.</small>	
	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 7

What is the purpose of Spanning Tree Protocol?

- A. to prevent routing loops
- B. to create a default route
- C. to provide multiple gateways for hosts
- D. to maintain a loop-free Layer 2 network topology



E. to enhance the functions of SNMP

Correct Answer: D

QUESTION 8

To correctly integrate a Cisco Industrial Ethernet switch into a ProfiNET management system such as SIMATIC STEP 7 or TIA Portal, which is a mandatory action?

- A. Configure an IP address on the ProfiNET VLAN interface
- B. The General Station Description (GSD) file must be uploaded from the switch to the management system.
- C. Enable Quality of Service (QoS) and ensure the management station interface is trusted
- D. Enable SNMP on the switch

Correct Answer: B

QUESTION 9

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 10

What percentage of an I/O connection would you set the RPI in order to ensure the application has the most current data?

- A. RPI at 50% of IO rate
- B. RPI at 25% of IO rate
- C. PI to 25% of PAC scan rate
- D. Set RPI to 50% of PAC scan rate

Correct Answer: A



QUESTION 11

A ProfiNET management system operator is unable to add a ProfiNET Conformance Class B device to a SIMATIC management station. The device is connected to interface FastEthernet1/3. Based on the provided CLI output, which statement is correct?

```
switch#show profinet lldp Fa1/1 port-003-00000 On Fa1/2 port-004-00000 On Fa1/3 port-005-00000 Off Fa1/4  
port-006-00000 Off Fa1/5 port-007-00000 On Fa1/6 port-008-00000 Off Fa1/7 port-009-00000 On Fa1/8 port-010-00000  
Off
```

- A. LLDP has been disabled on this switch
- B. The connected device is not sending LLDP packets with ProfiNET extensions
- C. The port label needs to be changed on interface FastEthernet 1/3 to "port-003-00000"
- D. ProfiNET is disabled on this switch

Correct Answer: B

QUESTION 12

What is the reason that ProfiNET frames are discarded by default on Catalyst switches?

- A. ProfiNET uses a nonstandard Ethernet frame format
- B. The frames have an 802.1q tag with VLAN ID equal to 0 (zero)
- C. Catalyst switches do not support ProfiNET traffic
- D. A ProfiNET VLAN must be configured and enabled on a Catalyst switch

Correct Answer: B

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