200-601^{Q&As}

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QUESTION 1

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 2

Refer to the exhibit.
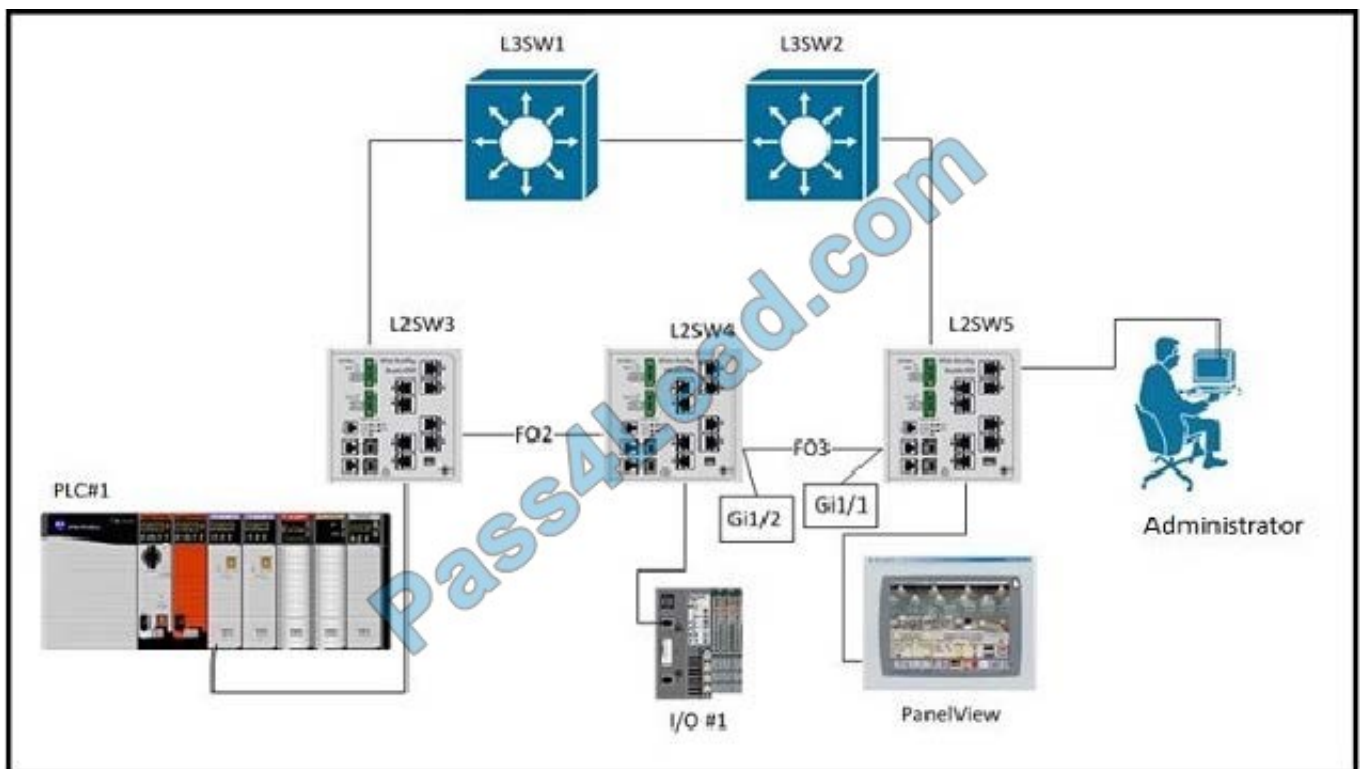
L3SW1 has a spanning-tree priority of 8192 set on VLANs 1, 300, and 301, and these VLANs are configured on and trunked between all switches. Executing the command show spanning-tree blockedports on L2SW5 results in:

L2SW5# show spanning-tree blockedports

Name Blocked Interfaces List

VLAN0001 Gi1/1

VLAN0300 Gi1/1

VLAN0301 Gi1/1

An additional VLAN, VLAN302, is defined on all switches and trunked between them. VLAN302 access ports are set up on each of the switches and PLC#1, I/O#1, and the PanelView are attached. You expect the new VLAN to be listed as

blocked on interface GigabitEthernet1/1 of L2SW5 but it is not. The three new devices are able to communicate with each other.

After executing the same command on all switches you see this output on L2SW4:

L2SW4# show spanning-tree blockedports

Name Blocked Interfaces List

VLAN0001 Gi1/2 VLAN0300 Gi1/2 VLAN0301 Gi1/2

Why is VLAN302 forwarding on L2SW5 interface GigabitEthernet 1/1 and L2SW4 interface GigabitEthernet 1/1 and 1/2?

A. VLAN302 is not configured in the VLAN database on L2SW5

B. VLAN302 is not in the allowed list on the L2SW5 interface GigabitEthernet1/1 trunk

C. L2SW4 is the spanning tree root for VLAN 302

D. The FO3 fiber-optic cable between L2SW4 and L2SW5 is damaged

Correct Answer: C

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

Which statement is correct regarding Media Redundancy Protocol (MRP) in a ring of ProfiNET devices?

A. When a link fault is detected, MRP rings must converge in less than 100 milliseconds

B. MRP defines two device roles, Media Redundancy Master and Media Redundancy Client

C. MRP can support rings of up to 250 devices

D. MRP is only supported on network switches

Correct Answer: B

QUESTION 5

Which statement is correct regarding ProfiNET communication classes?

A. ProfiNET-RT traffic is carried in UDP and TCP packets

B. ProfiNET-NRT is used to carry time critical status information

C. ProfiNET-IRT requires switches with hardware time scheduling capabilities

D. ProfiNET-NRT is prioritized as Layer-2 Class-of-Service 1 (CoS 1)

Correct Answer: C

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