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QUESTION 12 Which three network mechanisms can be used for securely segmenting an industrial network? (Choose three) A. VLANs B. OSPF C. REP D. VRFs E. Firewalls F. Spanning-tree Answer: ADE

QUESTION 13 Your controller has a high performance EtherNet/IP interface with port speed of >30,000 packets per second and 80% spare capacity. A new PowerFlex 753 drive will be added to the system with an RPI of 2ms and has been connected to a switch; you have been asked to set up the switch port. You open the EDS file and see that the drive will support 16 CIP connections and has transmit and receive capacity of 1,000 control packets per second. What do you set as the storm control pps threshold limit for the port? A. 16 B. 1,000 C. 2,500 D. 25,000 Answer: C

QUESTION 14 A cookie cutter machine requires 2 standard controllers and a safety controller. All of these controllers and machine level I/O have been placed on VLAN 104. Both standard controllers must monitor a photocell on this machine. Which IP address is used to transfer this status information? A. 10.17.104.16 B. 192.168.1.16 C. 239.192.3.16 D. 239.192.254.16 Answer: C

QUESTION 15 Which is an issue with running CIP Motion on a REP network and identifies an alternate resiliency protocol that works for CIP Motion? A. CIP Motion requires a star topology which is not supported by REP. DLR is a suitable resiliency protocol for CIP motion. B. REP convergence is not fast enough. DLR is a suitable resiliency protocol for CIP motion. C. CIP Motion requires a star topology which is not supported by REP. RPVST+ is a suitable resiliency protocol for CIP motion. D. REP convergence is not fast enough. RPVST+ is a suitable resiliency protocol for CIP motion. Answer: B

QUESTION 16 You have reached the limit of IPv4 IGMP groups available on a Cisco IE 3000 switch that was deployed using the Express Setup. Which CLI command will increase the number of available IPv4 IGMP groups and multicast routes from 256 to 1000 on this switch? A. switch(config)#sdm prefer routing B. switch(config)#sdm prefer vlan igmp C. switch(config)#sdm prefer routing igmp D. switch(config)#sdm prefer vlan Answer: A

QUESTION 17 Refer to the exhibit. A new device, PanelView, has been added to the network. See the table for device details: All devices are able to ping their default gateway and all other devices except PanelView. PanelView can only ping its default gateway. After the administrator has done some investigation they have discovered the following information:

```
L3SW1# show run
interface Vlan1 no ip address shutdown
interface Vlan191 ip address 10.10.27.125 255.255.255.192 ip helper-address 165.28.96.96 ip helper-address 165.28.32.235 no ip redirects standby 191 ip 10.10.27.126 standby 191 priority 120 standby 191 preempt delay minimum 90 no ip route-cache
interface Vlan398 ip vrf forwarding mosaic ip address 10.15.153.203 255.255.255.0 ip helper-address 10.15.154.252 ip helper-address 10.1.0.252 standby 98 ip 10.15.153.202 standby 98 priority 120 standby 98 preempt delay minimum 90
interface Vlan399 ip vrf forwarding mosaic ip address 10.15.154.203 255.255.255.0 ip helper-address 10.1.0.252 ip helper-address 10.1.1.252 standby 99 ip 10.15.154.254 standby 99 priority 120 standby 99 preempt delay minimum 90
L3SW1# show ip route
connected 10.0.0.0/8 is variably subnetted, 1149 subnets, 17 masks
C 10.10.27.64/26 is directly connected, Vlan191
C 10.10.31.254/32 is directly connected, Loopback1
```

What is preventing PanelView from pinging the other endpoints in the network? A. Routing isn't enabled on L3SW1 for SVI 398 and SVI 399. B. SVI 191 is in a different routing instance than SVI 398 and SVI 399. C. Firewall1 is blocking pings from PanelView to the other endpoints. D. An access list on L3SW1 is blocking pings from PanelView to the other endpoints Answer: B

QUESTION 18 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 Answer: B

QUESTION 19 Refer to the exhibit. The control system depicted in the exhibit uses VLAN 300 for all of its device ports and PVST is enabled on each switch to switch connection. L2SW4 was inserted between L2SW3 and L2SW5. Links FO2 and FO3 were added and FO1 was disconnected. Prior to the installation of L2SW4, PanelView was able to communicate with PLC#1. After the change, PLC#1 and PanelView are still able to communicate but neither PLC#1 or PanelView are able to communicate with I/O #1.

```
L2SW4# show run
interfaces FastEthernet 1/1 description I/O#1 switchport access vlan 300 switchport mode access spanning-tree portfast spanning-tree bpdguard enable
L2SW4# show interfaces trunk
Port Mode Encapsulation Status Native vlan
Gi1/1 on 802.1q trunking 1 Gi1/2 on 802.1q trunking 1
Port Vlans allowed on trunk
Gi1/1 1,3-9, 301-305,400 Gi1/2 1,3-9, 301-305,400
Port Vlans allowed and active in management domain
Gi1/1 1,3-9, 301-305,400 Gi1/2 1,3-9, 301-305,400
Port Vlans in spanning tree forwarding state and not pruned
Gi1/1 1,3-9, 301-305,400 Gi1/2
```

Based on the output from the switch, what is

preventing I/O#1 from communicating with PLC#1 and PanelView? A. Interface FastEthernet 1/1 on LSW4 should be configured as a trunk portB. The trunks connecting L2SW4 to L2SW3 and L2SW5 have the wrong encapsulation typeC. The trunks connecting L2SW4 to L2SW3 and L2SW5 don't allow VLAN 300 trafficD. BPDU guard has error-disabled interface FastEthernet 1/1 on LSW4 Answer: C QUESTION 20Which statement is correct regarding ProfiNET communication classes? A.

ProfiNET-RT traffic is carried in UDP and TCP packetsB. ProfiNET-NRT is used to carry time critical status informationC. ProfiNET-IRT requires switches with hardware time scheduling capabilitiesD. ProfiNET-NRT is prioritized as Layer-2 Class-of-Service 1 (CoS 1) Answer: C !!!RECOMMEND!!! 1.|2017 New 200-601 Exam Dumps (PDF & VCE) 88Q&As

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