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Exam : **HP0-648**

Title : Adaptive EDGE Fundamentals

Version : Demo

1. You have just finished configuring Multiple Spanning Tree (MST) on HP ProCurve 5348xl switches at a customer site. While checking your configuration, you notice that two switches have declared themselves to be the Root in one MST instance. How can you correct this configuration error? Reconfigure the _____.

A. bridge priority on one of the switches

B. switches so that they have the same configuration name and revision number

C. VLAN assignments on the switches

D. port priorities on the links between the switches
Answer: B

2. While troubleshooting a network outage, you decide to examine the Event log of an HP ProCurve Switch 5348xl. Identify the command that filters reports of normal behavior from the console display.

A. console events -n

B. console events critical

C. console events not-info

D. console events -c
Answer: C

3. You need to configure VLANs on an HP ProCurve 5300xl switch that is currently set to factory defaults. You issue the CLI command no vlan 1 untagged a1-a4 What will the result of this command be?

A. Ports a1-a4 will be removed from VLAN 1.

B. You will receive an error saying you cannot remove the ports from VLAN 1.

C. The ports will become tagged members of VLAN 1.

D. You will receive a prompt asking which VLAN the ports should be assigned to.
Answer: B

4. You are assigned to a team that is designing a new HP ProCurve solution. The team soon will begin work on diagramming the network's physical connectivity. What is the appropriate phase of the design process for this activity?

A. assess customer needs

B. develop and propose a solution

C. implement and document the solution D. it can be done in any phase
Answer: B

5. A network administrator asks you about the differences in the discovery features of HP ProCurve Manager and HP ProCurve Manager Plus. Which statement describes these differences?

A. There is no difference between the discovery processes used by the two applications.

B. HP ProCurve Manager Plus enables the scheduling of auto-discovery. HP ProCurve Manager requires users to initiate discovery manually.

C. HP ProCurve Manager Plus will discover devices from manufacturers other than HP. HP ProCurve Manager will discover only ProCurve devices.

D. HP ProCurve Manager Plus supports discovery based on CDP and FDP. HP ProCurve Manager does not support discovery based on FDP.
Answer: A

6. You are going to install and configure HP ProCurve switches in a network that includes a core switch manufactured by Cisco Systems, Inc. What VLAN configuration step is necessary to ensure compatibility with the native VLAN on the Cisco switch?

A. Configure the VLAN for untagged status on the HP ProCurve switches.

B. Configure the VLAN as the default VLAN on the HP ProCurve switches.

C. Configure GARP VLAN Registration Protocol on the HP ProCurve switches.

D. Configure the VLAN for management access to the HP ProCurve switches.
Answer: A

7. You have been asked to install and configure HP ProCurve switches in a network that includes switches manufactured by Cisco Systems, Inc. During a planning session, the network's administrator repeatedly refers to the "access ports" on the Cisco switches. What is an equivalent term or feature on HP ProCurve switches?

A. edge ports

B. untagged ports

C. uplink ports

D. trunk ports
Answer: B

8. You are installing a new HP ProCurve switch at a customer site. Which statements describe procedures for configuring the switch's IP addressing information? Select TWO.

A. Connect to the switch using the serial console interface, enter the global configuration level, enable DHCP, and assign an address scope.

B. Connect to the switch using the serial console interface, enter the global configuration level, and assign a box-wide IP address and mask.

C. Connect to the switch using the serial console interface, enter the global configuration level, and assign an IP address and mask within the VLAN 1 context configuration level.

D. Leave the switch at its default settings and allow it to acquire a reserved IP address, mask, and default gateway from a DHCP server.

E. Connect to the switch using the Telnet interface, enter the global configuration level, and assign a box-wide IP address.
Answer: CD

9. A network administrator at a customer site asks about the impact of classifying some high-priority traffic for an 802.1p value of 7 and other traffic for an 802.1p value of 6. What will the effect of this configuration be? The change in 802.1p value _____.

A. is not possible because the 802.1p field does not support a value of 7

B. will introduce network latency by making forwarding more complicated

C. will provide more granular control over forwarding priority

D. will make no difference in actual forwarding because both priorities are placed in the same physical queue on switches before forwarding
Answer: D

10. You are configuring an HP ProCurve 5300xl switch that will act as a default gateway for devices in VLAN 70. What configuration steps are necessary to enable the switch to perform this function? Select TWO.

A. Add the switch's uplink ports to VLAN 70.

B. Assign an IP address to the switch's VLAN 70 interface.

C. Enable IP routing.

D. Configure all ports that are members of VLAN 70 as tagged.

E. Configure the switch with a default gateway.
Answer: BC

11. How does an IP host determine which destination addresses are local and which are remote?

A. The host derives a range of local addresses by applying its configured subnet mask to its own IP address.

B. The host broadcasts an ICMP request to its local router and requests a hop-by-hop path.

C. The host broadcasts an ICMP request to all routers in the enterprise and requests a hop-by-hop path.

D. The host creates and maintains a table that lists remote address ranges and the next hop router for each range.
Answer: A

12. You have been sent to install and configure HP ProCurve switches on a network that already includes switches manufactured by Cisco Systems, Inc. During planning meetings, the network administrator often refers to "trunk ports." What does the administrator mean?

A. ports that connect the distribution and core layers

B. ports that are configured for gigabit connectivity

C. ports that are aggregated into a single logical port

D. ports that carry multiple VLANs
Answer: D

13. You have configured port a1 on an HP ProCurve switch as an untagged member of VLAN 20. The port is not a member of any other VLANs. Which statement describes an action the switch takes when forwarding a frame through port a1?

A. The switch adds a tag that will be interpreted by the device connected to that port.

B. The switch strips any tag that may have been included with the frame when it was received.

C. HP switches require tagged status on all ports.

D. The switch changes the VLAN ID of any tag to 20.
Answer: B

14. You are assigned to configure HP ProCurve switches at a customer site for in-band management. Which of the following are in-band management methods? Select TWO.

A. SNMP

B. XMODEM

C. serial console

D. Telnet

E. menu interface
Answer: AD

15. You have been asked to configure IGMP on an HP ProCurve Switch 5348xl at a customer site. While planning the configuration, you determine that the network does not currently include an IGMP Querier. To act as IGMP Querier, the switch must be configured with _____.

A. an IP address for each VLAN that will support multicasting

B. a Class D IP address

C. 802.1p prioritization settings for each VLAN that will support multicasting

D. a box-wide default gateway
Answer: A

16. Which conditions could cause a layer 2 switch to flood traffic? Select TWO.

A. The switch receives a frame whose destination is either a broadcast or multicast address.

B. The switch receives a frame with a source address not in its forwarding table.

C. The switch receives a frame with a destination address not in its forwarding table.

D. The switch receives a frame destined for an unknown layer 3 protocol.

E. The switch receives a frame with a destination address on the same port as the source address.
Answer: AC

17. Several users of an enterprise network report intermittent loss of connectivity. While investigating these reports, you determine that all the users are connected to a single HP ProCurve Switch 5348xl. Identify the command you will use to view the operational status of all ports.

A. show interfaces brief

B. show interfaces

C. show interfaces -o

D. show interfaces status
Answer: A

18. What device is traditionally used to segment broadcast domains in a network?

A. bridge

B. switch

C. router D. multi-homed server
Answer: C

19. You are part of a team recommending an HP ProCurve solution at a customer site. A network administrator at the site notes that the company is considering implementation of a VoIP solution that will require prioritization across WAN interfaces. The HP ProCurve 5300xl series switch is appropriate for this solution because it _____.

A. supports the mapping of 802.1p priorities to IP DiffServ codepoints

B. can be used as a WAN router, which enables it to enforce traffic priorities at the WAN interface

C. can be configured to set IP DiffServ codepoints when IP routing is enabled

D. supports eight forwarding queues, enabling it to provide very granular priority settings
Answer: A

20. You will be installing HP ProCurve switches at a customer site that includes switches that do not support HP Port Trunking. However, the existing switches do support Cisco Fast EtherChannel. What configuration steps are necessary to enable link aggregation between the existing switches and the ProCurve switches?

A. Upgrade the firmware on the HP ProCurve switches to enable support for FEC.

B. No special configuration is necessary because the ProCurve switches automatically will recognize the existing switches' FEC configuration.

C. Configure the HP ProCurve switches for static FEC and the existing switches for dynamic FEC.

D. Configure all switches for Link Aggregation Control Protocol (LACP) because FEC and HP Port Trunking are not compatible.
Answer: C