

## HP0-S32 HP BladeSystem Networking

Passing Score: 680  
Time Limit: 90 min  
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<http://www.lead2pass.com/HP0-S32.html>



**Vendor:** HP

**Exam Code:** HP0-S32

**Exam Name:** HP BladeSystem Networking

<http://www.lead2pass.com/HP0-S32.html>

**Exam A:**  
Q7,15,17,18 & 19 with answers

## Exam A

### QUESTION 1

Which devices use all OSI model layers? (Select three.)

- A. netbook
- B. switch
- C. server
- D. router
- E. workstation
- F. hub

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

Which statement best describes weighted round robin queuing?

- A. Classified traffic is allocated a percentage of the total switch bandwidth according to the level of its priority queue. All other traffic is automatically assigned a lower than normal priority level to create a bandwidth reserve for the highest priority queue.
- B. Classified traffic is allocated a percentage of the total switch bandwidth according to the level of its priority queue. If there is no competing traffic, all of the switch bandwidth is available to all traffic, regardless of priority.
- C. Each queue holds classified traffic according to priority, and is allocated bandwidth in order from highest to lowest queue number. As higher priority traffic is serviced, lower priority traffic gets better access to the remaining bandwidth through dynamic resource reallocation.
- D. Switch bandwidth is automatically allocated to the highest priority traffic. All other traffic is held in queues and allocated any remaining bandwidth. As high priority traffic is serviced, the queues are dynamically reallocated to support lower priority traffic.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

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### QUESTION 3

What is required to provide routing capability on a Layer 3 switch? (Select two.)

- A. DHCP helper must be configured.
- B. An IP address must be assigned to each VLAN.
- C. The switch hostname must be defined.
- D. IP routing must be enabled globally.
- E. OSPF must be enabled.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 4**

What are the communication limitations of server blades on a Virtual Connect private network?

- A. They can communicate only with specific nodes by special ACLs implemented within the Virtual Connect domain.
- B. They use special VLAN tags to communicate only within Virtual Connect domains.
- C. They cannot communicate within Virtual Connect and require external communication through a Layer 3 device.
- D. They can only communicate within the Virtual Connect domain and access to external networks or switches is prohibited.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

#### **QUESTION 5**

What is the console interface an example of?

- A. in-band management
- B. out-of-band management
- C. graphical user interface
- D. autoconfiguration script

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 6**

What is a hypervisor?

- A. management software between vSphere and individual virtual machines
- B. software that provides a network abstraction layer between Virtual Connect and the server blade
- C. software that controls multiple virtual switches as a single logical switch
- D. software that allows multiple operating systems to run on a host computer concurrently

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 7**

What must be done before moving a server profile from one server bay to another?

- A. The operating system on both the source and target servers must be at the same patch level.
- B. Both the source and destination servers must be powered off.
- C. The source and destination bays must be linked to the same range of MAC addresses and WWNs.
- D. The enclosure with the target server must be elevated to the role of base enclosure.

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 8**

Which protocol does Virtual Connect use to acquire the information shown in the Connected To column on the exhibit?

Click Exhibit button to view picture.

**Exhibit:**

### External Uplink Ports

Port	Port Role	Port Status		Connector Type	Connected To	PID	Speed/Duplex
pod-19: Bay 1: Port X3	NA	OK	Linked/Active	10 Gb	SFP-DAC	00:23:47:47:e2:00 (28)	Auto
pod-19: Bay 1: Port X4	NA	OK	Linked/Active	10 Gb	SFP-DAC	00:23:47:47:e2:00 (49)	Auto

[Add Port](#)

Connection Mode: Auto ?

- A. IEEE 802.2 Logical Link Control Protocol
- B. IEEE 802.ad Link Aggregation Control Protocol
- C. IEEE 802.1ad Link Layer Discovery Protocol
- D. IEEE 802.w -2001 Rapid Spanning Tree Protocol

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 9

Which flexibility does Virtual Connect Ethernet provide concerning data center network connectivity?

- A. determining which server downlink ports connect to which Virtual Connect uplink ports
- B. determining which switch uplink port processes VLAN tags
- C. determining which trunk link will receive the majority of LACP traffic
- D. determining when broadcast traffic will be allowed on VLANs within Virtual Connect

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

What is a requirement of a Flex-10 10GbE multifunction BL-c adapter for use on BL2x220c server blades?

- A. It must support the Accelerated iSCSI protocol.
- B. It must be a Type I mezzanine card.
- C. It must be a Type II mezzanine card.
- D. It must consume less than 15 watts of power.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

What are benefits of the Virtual Connect Enterprise Manager address repository? (Select two.)

- A. streamlines DHCP management
- B. reduces the risk of address conflicts
- C. integrates seamlessly with HP SIM
- D. supports more server blade NIC types
- E. allows for custom ranges

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 12**

What are the requirements for link aggregation using LACP? (Select three.)

- A. Links must have the same tagged VLANs assigned.
- B. Links must be the same speed.
- C. Links must use the same media type.
- D. Links must share a cotermious.

- E. Links must be full-duplex.
- F. Links must be fiber connections.

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

### QUESTION 13

WHICH DEVICE IS A CONVERGED NETWORK ADAPTER (CNA)?

- A. HP NC553i Dual Port FlexFabric 10Gb Adapter
- B. HP 4X QDR IB CX-2 Dual-port Mezzanine HCA
- C. HP NC522m Dual Port Flex 10 10Gb Adapter
- D. HP NC522SFP Dual Port 10GbE Server Adaptor

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 14

The FC Mode indicator on uplink X2 on a Virtual Connect Flexfabric 10Gb/24-port module is illuminated solid and not flashing. What does this signify?

- A. There is a logon error in the upstream Fibre Channel switch.
- B. Uplink X2 is not passing Ethernet traffic.
- C. The SFP device in uplink port X2 has an invalid signature.
- D. There is a Flex-NIC configuration error on one of the installed server blades.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 15**

Which advantage distinguishes HP FlexFabric technology from the technology supporting other CNAs?

- A. It includes capabilities to support Virtual Connect Flex-10 interface virtualization.
- B. Fibre Channel capabilities are supported directly from the FlexNIC to the uplink port.
- C. The FCoE standard is enhanced with proprietary Virtual Connect extensions.
- D. It provides complete backward compatibility between FCoE and FCIP technologies.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

The FlexFabric adapter iSCSI PCIe function is based on a HBA model with true offload. What advantages does this provide?

- A. It works seamlessly with the FCoE function enabled on the opposite port.
- B. The iSCSI adapter can talk directly to the PXE server.
- C. You can use a generic iSCSI adapter device driver.
- D. There is no need for a software iSCSI initiator in the operating system.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 17**

How does a simple vNet handle VLAN tags in Map mode in firmware environments earlier than version 3.30?

- A. accepts only untagged frames from the servers or the switch
- B. accepts only tagged frames from the servers and only untagged frames from the switch
- C. accepts tagged or untagged frames from the switch and only untagged frames from the servers
- D. accepts tagged or untagged frames from the servers or the switch

**Correct Answer:** A



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 18**

How does a Shared Uplink Set handle VLAN tags in Tunnel mode with firmware earlier than version 3.30?

- A. accepts only untagged frames from the servers or the switch
- B. accepts only tagged frames from the servers and only untagged frames from the switch
- C. accepts tagged or untagged frames from the switch and only untagged frames from the servers
- D. accepts tagged or untagged frames from the servers or the switch

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 19**

You have defined a Proliant G7 server profile with an FCoE FlexHBA on both LOM ports. How many total FlexNICs can now be defined?

- A. 2
- B. 4
- C. 6
- D. 8

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 20**

How can a tagged packet be processed for QoS when it is received on an inbound interface? (Select three.)

- A. The marked priority level can be changed to enforce predetermined classification levels.

- B. The packet can be scheduled for a queue based on the marked 802.1p priority level.
- C. The packet can be moved to a more secure VLAN and its priority remarked.
- D. The packet can be scheduled for a queue based on a preset policy.
- E. The packet can be discarded or rerouted if it does not match a set policy.
- F. The packet can be prevented switch traversal for a predetermined penalty period.

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 21**

What are Virtual Connect Enterprise Manager features? (Select three.)

- A. is licensed per enclosure
- B. is licensed with the Virtual Connect Ethernet module
- C. is embedded on the Virtual Connect Ethernet module
- D. can administer up to 256,000 network addresses
- E. can manage a single domain of up to four enclosures
- F. can administer up to 16,000 servers

**Correct Answer:** ADF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 22**

Which is a unique feature of a virtual switch?

- A. port mirroring for packet analysis
- B. VLAN segmentation at the port level
- C. no packet forwarding (routing) between VLANs
- D. maximum of 1016 ports per switch

**Correct Answer:** D

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

What is considered a Virtual Connect domain in Virtual Connect Enterprise Manager?

- A. a maximum of 1,000 enclosures
- B. a maximum of 16,000 servers
- C. from 1 to 4 enclosures
- D. 250 Virtual Connect Manager domains

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 24**

Which industry-standard protocols are supported on Virtual Connect Ethernet uplinks? (Select three.)

- A. IEEE 802.1 AX (802.3ad) Link Layer Discovery Protocol (LLDP)
- B. IEEE 802.1w-2001 Rapid Spanning Tree (RSTP)
- C. IEEE 802.1p Quality of Service (QoS)
- D. IEEE 802.1 AX (802.3ad) Link Aggregation Protocol
- E. IEEE 802.1Q VLAN tagging
- F. IEEE 802.3af-2003 Power over Ethernet (PoE)

**Correct Answer: ADE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 25**

Which tasks are used to define a vNet for Virtual Connect Ethernet? (Select three.)

- A. Assign only one network per server NIC.
- B. Assign one or multiple networks per server NIC.
- C. Optionally set the native VLAN.
- D. Define the server profile.
- E. Specify VLAN names/IDs.
- F. Select unassigned uplinks.

**Correct Answer:** ADF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 26**

Which spanning tree protocol is the most appropriate in a VLAN-aware, non-proprietary network implementation?

- A. RSTP
- B. PVST+
- C. MSTP
- D. STP

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 27**

The IEEE 802.1AX (802.3ad) Link Aggregation Control Protocol is a Layer 2 protocol. What is its function?

- A. dynamically identifies link speeds regardless of media type
- B. forms port trunks consisting of two or more uplink ports
- C. identifies the VLAN to which frames transmitted on a link or port trunk belong
- D. advertises information that describes and identifies devices

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 28**

What is used to achieve Fibre Channel data transfer?

- A. channel mesh
- B. packets
- C. tunnels
- D. frames

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

You are creating a connection between multiple server blades and an external switch on a single VLAN. All traffic from the servers is tagged. What must you create within Virtual Connect if it is globally set for VLAN Tunnel mode?

- A. simple vNET with Tunnel mode option enabled
- B. Shared Uplink Set
- C. simple vNET with Tunnel mode option disabled
- D. untagged uplink trunk

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 30**

Where are broadcasts flooded in Layer 2 switches?

- A. to only those nodes in the same subnet as the originating node

- B. through all ports except the port the broadcast came in on
- C. through all ports in the same VLAN except the port it came in on
- D. through all ports and all VLANs on the switch

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 31**

Which tasks are only used for defining a Shared Uplink Set for Virtual Connect Ethernet? (Select three.)

- A. Optionally set native VLAN.
- B. Define server profile.
- C. Assign one or multiple networks per server NIC.
- D. Assign only one network per server NIC.
- E. Select unassigned uplinks.
- F. Specify VLAN names/IDs.

**Correct Answer:** ACF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 32**

What is required for a Layer 3 switch to route between directly connected VLANs? (Select two.)

- A. IP routing must be globally enabled on the switch.
- B. Dynamic Layer 3 routing protocol must be enabled and configured.
- C. There must be multi-netted IP addresses on all VLAN interfaces on the switch.
- D. An IP address must be configured for each VLAN that will be forwarded.
- E. A DHCP helper address must be defined on each participating VLAN.

**Correct Answer:** AD

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 33

In an IP subnet without VLANs, each subnet terminates at the interface. How are IP subnets with VLANs different?

- A. VLAN IP subnets terminate at each port.
- B. VLAN IP interfaces are more easily multi-netted with VLANs.
- C. VLAN IP subnets allow for greater control with ACLs.
- D. VLAN IP subnets are logically separated from the router.

**Correct Answer:** D

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 34

What is the function of the active member of a dynamic LACP trunk?

- A. determines the trunk link used for each given Layer 2 node-to-node conversation
- B. requests dynamic port utilization from the receiving node to the sending node to form the LACP trunk
- C. listens for BPDUs and forms a dynamic trunk when a MAC address of the same partner is heard on multiple ports
- D. sends BPDUs and forms a dynamic trunk if a partner hears its MAC address on multiple ports

**Correct Answer:** D

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 35

What is a limitation of the VMware vNetwork standard switch?

- A. Tagged VLANs are not supported in a virtual switch.
- B. MAC forwarding tables are not implemented in a virtual switch.

- C. Virtual machines cannot communicate through the virtual switch.
- D. Spanning tree is not supported in a virtual switch.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 36**

Which Virtual Connect tagging mode is limited to 320 VLANs per Virtual Connect Ethernet module?

- A. Tunnel VLAN Tags
- B. Tagged VLAN
- C. Map VLAN Tags
- D. Transparent VLAN Tags

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 37**

On which criterion do standard ACLs provide security?

- A. range of destination IP addresses
- B. range of source IP addresses
- C. IP precedence
- D. ICMP and IGMP message types

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 38**

Which parameters are part of a Bridge Protocol Data Unit (BPDU) transmission? (Select two.)

- A. Switch Port ID
- B. Port Duplex ID
- C. Switch MAC address
- D. Port POE parameters
- E. Management IP address

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 39**

You are configuring Virtual Connect Flex-10 10Gb Ethernet modules with Flex-10 server adapters. What is an important network design consideration?

- A. The Virtual Connect Flex-10 10Gb Ethernet module does not enforce VLAN isolation between FlexNICs of the same server LAN on Motherboard (LOM).
- B. If the Flex-10 server adapters are implemented as mezzanine cards, the Virtual Connect Flex-10 10Gb Ethernet module requires all FlexNICs be configured for the same speed.
- C. The Virtual Connect Manager will enforce physical port isolation by not allowing FlexNICs of the same server port to connect to the same Virtual Connect network.
- D. LACP trunking is not allowed between Virtual Connect uplink ports and infrastructure switch ports located on different modules, even if within the same physical switch.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 40**

On a Cisco switch, what does the portfast setting do?

- A. eliminates auto-negotiation delays with 10GbE ports
- B. ensures the link is at maximum speed regardless of configuration

- C. causes BPDUs to be blocked if sensed
- D. eliminates delays inherent in RSTP/MSTP synchronization

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

#### **QUESTION 41**

Which factor makes Fibre Channel data communications economical and reliable?

- A. Data connection is dropped after transfer is complete.
- B. Data transfer uses channel or network technology.
- C. Channels connect using predefined addresses.
- D. WWNs can be grouped and reused as needed.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 42**

What do Virtual Connect modules use to communicate with the Onboard Administrator?

- A. a dedicated path through the enclosure midplane
- B. SNMP v3 over the first defined Ethernet link
- C. SNMP v3 over any available Ethernet link
- D. Command Line Interface scripts through an SSH link

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 43**

What are features of the VMware vNetwork Distributed Switch (vDS)? (Select three.)

- A. integrates with RADIUS and TACACS+
- B. can span multiple VMware ESX/ESXi hosts
- C. provides a command line interface (CLI) for management
- D. provides DHCP snooping and dynamic ARP support
- E. supports third-party virtual switches through API
- F. allows multiple switches to be managed as one

**Correct Answer:** BEF

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 44**

Why should portfast be enabled on the Cisco switch ports connected to Virtual Connect?

- A. Virtual Connect ports always block network frames if BPDUs are detected.
- B. Virtual Connect blocks untagged VLAN traffic by default if it is not enabled.
- C. Virtual Connect appears as an edge device to upstream switches.
- D. Virtual Connect auto-negotiates 10Gb/1Gb ports incorrectly when connected to Cisco switches.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 45**

When are the bandwidth values set for the FlexNICs?

Click the Exhibit button.

**Exhibit:**

Port	Network Name	Status	Port Speed Setting	Allocated Bandwidth	PXE	MAC	Mapping	Delete
1	Default-VLAN-A	OK	Preferred	3.3 Gb	Use BIOS	00-17-A4-77-34-20	LOM1-a => Bay 1	X
2	Default-VLAN-B	OK	Preferred	3.3 Gb	Use BIOS	00-17-A4-77-34-22	LOM2-a => Bay 2	X
3	POD14-VLAN10-A	OK	Preferred	3.3 Gb	Use BIOS	00-17-A4-77-34-24	LOM1-b => Bay 1	X
4	POD14-VLAN10-B	OK	Preferred	3.3 Gb	Use BIOS	00-17-A4-77-34-26	LOM2-b => Bay 2	X
5	Multiple Networks	OK	Preferred	100 Mb	Use BIOS	00-17-A4-77-34-28	LOM1-c => Bay 1	X
6	Multiple Networks	OK	Preferred	100 Mb	Use BIOS	00-17-A4-77-34-2A	LOM2-c => Bay 2	X
7	POD14-VLAN50-A	OK	Preferred	3.3 Gb	Use BIOS	00-17-A4-77-34-2C	LOM1-d => Bay 1	X
8	POD14-VLAN50-B	OK	Preferred	3.3 Gb	Use BIOS	00-17-A4-77-34-2E	LOM2-d => Bay 2	X

- A. when the Ethernet networks are defined
- B. during the creation of the server profile
- C. as part of the initial network setup wizard
- D. as part of the Shared Uplink Set definition

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 46

How does Virtual Connect affect loop prevention in a spanning tree environment?

- A. Frames are automatically forwarded out all uplink ports, on all VLANs, without blocking.
- B. Virtual Connect automatically becomes the root switch to ensure the best network performance.
- C. Virtual Connect ports appear as server NICs to upstream switches so spanning tree is not required.
- D. Virtual Connect ports dynamically adjust root configuration parameters to influence traffic flow.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 47**

Which features make Flex-10 technology useful in a virtual machine environment? (Select two.)

- A. interoperability with VMware vDS API
- B. support for more VMs per host
- C. more available NICs
- D. optimized VM traffic for each function
- E. reduced memory impact

**Correct Answer:** CD

**Section:** (none)

**Explanation**

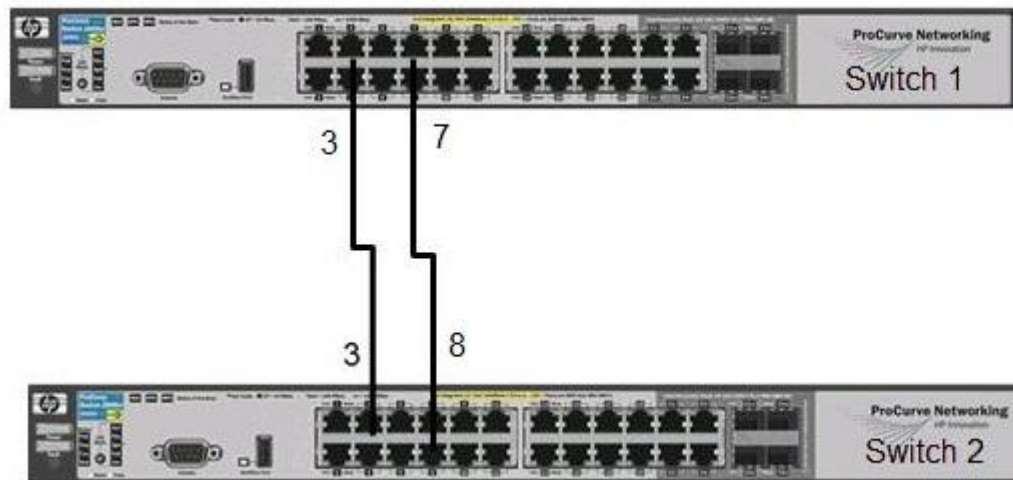
**Explanation/Reference:**

**QUESTION 48**

You have connected the cables as shown in the exhibit: Port 3 of Switch 1 and Port 3 of Switch 2 Port 7 of Switch 1 and Port 8 of Switch 2.

What is the result of this configuration? ( Click the Exhibit button.)

**Exhibit:**



VLAN1:  
Ports 1,3,5,8-24 (untagged)  
VLAN 10:  
Ports 2,4,6,7 (tagged)

VLAN1:  
Ports 1-24 (untagged)  
VLAN 10:  
Port 8 (tagged)

- A. Switch 1, Ports 1, 3, 5, and 8 can communicate with all ports in Switch 2, except Port 8.
- B. Connections between Switches 1 and 2 will cause a Layer 2 loop.
- C. No VLAN 10 ports can communicate without a router or Layer 3 switch.
- D. In Switch 1, only Ports 2, 7, and 8 can communicate together.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 49

What are features of Virtual Connect Manager? (Select two.)

- A. is licensed per enclosure
- B. is embedded on the Virtual Connect Ethernet module
- C. can manage a single domain of up to four enclosures
- D. can administer up to 16,000 servers
- E. can administer up to 256,000 network addresses

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 50**

How does a Layer 3 switch determine whether to forward or route data?

- A. It compares the relative number of the egress port to the destination.
- B. It sees its address as the Layer 2 destination, but not the Layer 3 destination.
- C. Its gateway returns the packet marked as locally unreachable.
- D. Its Layer 2 forwarding table and Layer 3 routing table are cross-linked and there is no Layer 2 entry.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 51**

What must you define when configuring Virtual Connect Ethernet for a server blade that can support tagged Ethernet frames in VLANs 20, 30, 50, and 60?

- A. a vNet in Map VLAN tags mode
- B. a vNet in Tunnel VLAN tags mode
- C. a Shared Uplink Set in Map VLAN tags mode
- D. a Shared Uplink Set in Tunnel VLAN tags mode

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 52**

Which features differentiate Virtual Connect Ethernet interconnect modules from switches? (Select three.)

- A. All changes affect the network.
- B. They are managed with the servers.
- C. They are part of the server system.
- D. They are part of the infrastructure network.
- E. Any changes are transparent to the network.
- F. They are part of the LAN network.

**Correct Answer:** BCE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 53**

Which command do you use to view information about the status and configuration of HP Integrity virtual machines?

- A. hpvmconfig
- B. hpvmstatus
- C. hpvm -status
- D. vmstatus

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 54**

What is the default mode of operation for Virtual Connect without a domain defined? (Select two.)

- A. A single Virtual Connect network is connected to the external data center network over a single active uplink.
- B. All server ports connected to the Virtual Connect Ethernet module are isolated from all external LAN and SAN connections.
- C. All server ports are isolated from internal or external communications until a Virtual Connect domain has been created and configured.
- D. An isolated separate network is created for each active server and segregated over a single shared uplink using VLAN tagging.
- E. All server ports connected to the Virtual Connect Ethernet module are connected to a single Virtual Connect network.



**Correct Answer:** AE

**Section:** (none)

**Explanation**

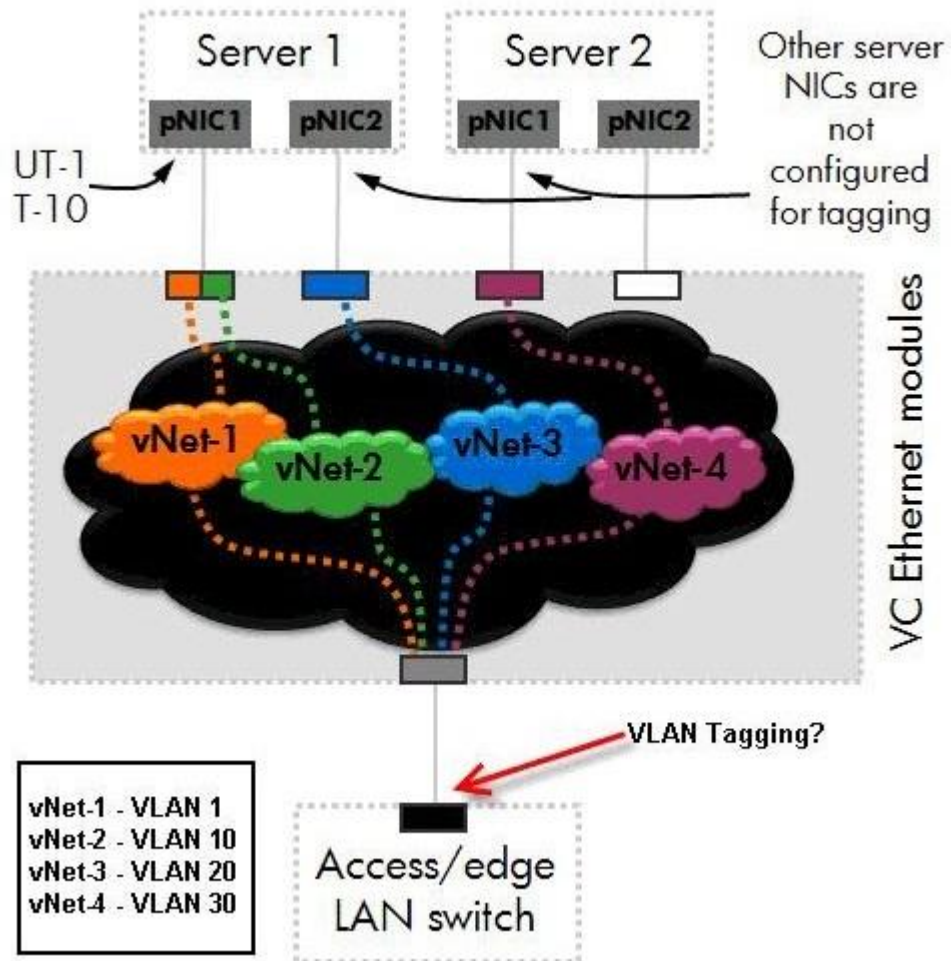
**Explanation/Reference:**

**QUESTION 55**

For proper communication, what is the correct VLAN tagging configuration of the external switch port represented by the red arrow?

Click the Exhibit button.

**Exhibit:**



- A. tagged for VLANs 1, 10, 20, 30
- B. untagged for VLANs 1, 10, 20, 30
- C. tagged for VLAN 10, untagged for VLANs 1, 20, 30
- D. untagged for VLAN 1, tagged for VLANs 10, 20, 30

**Correct Answer: D**

**Section: (none)**

### Explanation

### Explanation/Reference:

#### QUESTION 56

How does a Layer 3 switch route a packet between directly connected VLANs?

- A. It forwards the packet to its Layer 3 gateway, which submits the packet to its Layer 3 routing table and then forwards the packet to the proper VLAN.
- B. It submits the packet to its Layer 3 routing table to determine the destination network interface. It then builds a new Layer 2 header tagged for the destination VLAN and forwards the packet to the destination.
- C. It submits the packet to its Layer 3 routing table to determine the destination network interface. It then uses Layer 3 forwarding to get the packet to the destination.
- D. It removes the Layer 2 VLAN tag, adds the new VLAN tag to the existing Layer 2 header, and uses Layer 2 forwarding to get the packet to the destination.

**Correct Answer:** B

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 57

Which layers are collectively known as FC-PH, the physical layers of Fibre Channel? (Select three.)

- A. FC0
- B. FC1
- C. FC2
- D. FC3
- E. FC4
- F. FC5

**Correct Answer:** ABC

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 58

How does HP ProCurve Distributed Trunking improve on traditional trunking technology?

- A. It allows for more switch-to-switch links in each physical trunk.
- B. It makes switches connected by a link on both ends appear as a single switch.
- C. It provides more granular support of switch-to-switch duplexing.
- D. It eliminates the need to use Link Aggregation Control Protocol (LACP) or any other trunking protocol.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 59**

What does N\_Port ID virtualization do?

- A. provides an abstraction layer between the server HBAs and the SAN
- B. provides interoperability among third-party SAN device manufacturers
- C. provides connectivity between the Virtual Connect module and the Onboard Administrator
- D. enables a single HBA port to register multiple, unique WWNs within a fabric

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 60**

What is considered a trunk in a Cisco switching environment?

- A. aggregated switch links
- B. tagged VLAN port (802.1Q)
- C. tagged VLAN port plus link aggregation
- D. Shared Uplink Set plus Connection Mode Auto

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 61**

In a switching environment with redundant links, which technology is required for proper operation?

- A. VLANs
- B. Cisco vPC
- C. loop prevention
- D. dynamic routing

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 62**

What are valid FlexNIC bandwidth selections? (Select three.)

- A. Preferred
- B. Assigned
- C. Static
- D. Custom
- E. Dynamic
- F. Auto

**Correct Answer: ADF**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 63**

What does trunk refer to in industry-standard terminology?

- A. aggregated switch links

- B. tagged VLAN port (802.1Q)
- C. tagged VLAN port plus link aggregation
- D. Shared Uplink Set plus Connection Mode Auto

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 64**

Which statements are true about port VLAN memberships? (Select three.)

- A. A port can be an untagged member of multiple VLANs.
- B. A port must be a member of at least one VLAN.
- C. A port must be a tagged member of only one VLAN.
- D. A port can be an untagged member of only one VLAN.
- E. A port can be a tagged member of multiple VLANs.
- F. A port can be a tagged member of one VLAN and an untagged member of multiple VLANs.

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 65**

What are valid reasons for implementing VLANs? (Select two.)

- A. to segregate traffic by resource or application needs
- B. to provide enhanced name resolution
- C. to reduce subnet cost options
- D. to minimize the effect of broadcast traffic on hosts
- E. to support multipathing

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 66**

Which port is the lowest-cost path to the spanning tree root bridge?

- A. root port
- B. defined root port
- C. designated port
- D. forwarding port

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 67**

Which action is required at the guest operating system level to enable it to run on a virtual machine?

- A. A key code must be loaded into the registry and validated by VMware.
- B. The VMware driver must be loaded for full network support.
- C. No action is required because VMware is transparent to the operating system.
- D. A VMware license must be loaded on each guest.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 68**

What can be used by a QoS policy to classify traffic? (Select two.)

- A. packet size
- B. egress port

- C. TCP port number
- D. TCP window size
- E. VLAN ID

**Correct Answer:** CE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 69**

Which advantages do ACLs offer? (Select two.)

- A. fewer necessary support staff
- B. increased network security
- C. smaller broadcast domain
- D. reduced network complexity
- E. improved network performance

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 70**

How many World Wide Names (WWNs) does Virtual Connect Manager make available?

- A. 64 total available WWNs
- B. 64 ranges for a total of 128 WWNs
- C. 64 ranges for a total of 1024 WWNs
- D. 128 ranges of 64 WWNS

**Correct Answer:** C

**Section:** (none)

**Explanation**

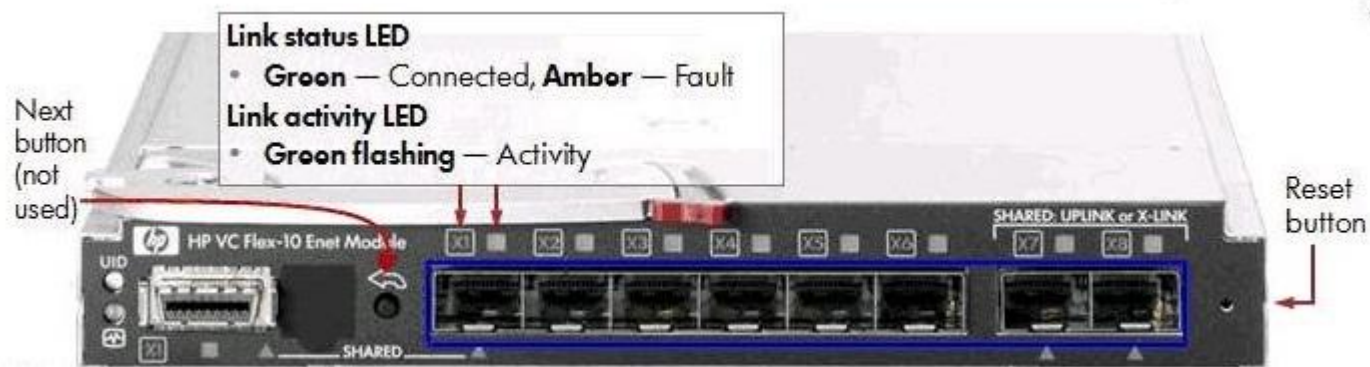
**Explanation/Reference:**



**QUESTION 71**

Identify the port type shown in the blue outlined area. (Click the Exhibit button.)

**Exhibit:**



- A. fiber
- B. SFP+
- C. RJ-45
- D. dedicated

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 72**

A device with a non-compliant 802.1Q network adapter (NIC) is plugged into which type of switch port?

- A. workstation
- B. untagged
- C. trunk
- D. tagged

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 73**

What best describes the functionality of the Virtual Connect Ethernet module?

- A. Layer 2 switch
- B. Layer 3 switch
- C. pass-thru module
- D. Ethernet port aggregator

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 74**

What does the illustration reveal about the hardware configuration of the HP Integrity BL860c server blade? (Select two.) (Click the Exhibit button.)

**Exhibit:**

Port	Network Name	Status	Port Speed Setting	Allocated Bandwidth	PXE	MAC	Mapping	Delete
1	Unassigned	OK	Preferred	1 Gb	Use BIOS	00-17-A4-77-34-08	LOM1	X
2	Unassigned	OK	Preferred	1 Gb	Use BIOS	00-17-A4-77-34-0A	LOM2	X
3	Unassigned	OK	Preferred	1 Gb	Use BIOS	00-17-A4-77-34-0C	LOM3	X
4	Unassigned	OK	Preferred	1 Gb	Use BIOS	00-17-A4-77-34-0E	LOM4	X
5	Default-VLAN-A	OK	Preferred	10 Gb	Use BIOS	00-17-A4-77-34-10	MZ21-a => Bay 5	X
6	Default-VLAN-B	OK	Preferred	10 Gb	Use BIOS	00-17-A4-77-34-12	MZ22-a => Bay 6	X
7	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-34-14	MZ21-b => Bay 5	X
8	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-34-16	MZ22-b => Bay 6	X
9	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-34-18	MZ21-c => Bay 5	X
10	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-34-1A	MZ22-c => Bay 6	X
11	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-34-1C	MZ21-d => Bay 5	X
12	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-34-1E	MZ22-d => Bay 6	X

- A. The LOM is not a Flex-10 module.
- B. The Flex-10 interface is in mezzanine Slot 2.
- C. Ports 5 and 6 are preferred for connectivity.
- D. Ports 7 through 12 are defective.
- E. VLANs A and B are incorrectly configured.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 75

What is the advantage of using Virtual Connect Flex-10 technology in a VMware environment?

- A. It becomes tightly linked with VMware for better management through vCenter.
- B. It eliminates the limit on NIC connections imposed by default on each VMware server.
- C. It enables full VLAN support in VMware including multiple tagging functionality.

D. It allows bandwidth to be allocated as necessary to each VMware service or application.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 76**

What are valid reasons for creating trunk links between switches? (Select three.)

- A. Standby link capabilities are available with dynamic trunks.
- B. A greater number of VLANs can be supported.
- C. Capacity is maximized by increasing the number of links available for data flow.
- D. Guaranteed load balancing prevents unbalanced traffic load across links.
- E. There is improved availability because of the lower risk of link failure.
- F. The overall error count on the switch is decreased.

**Correct Answer:** ACE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 77**

What is the status of the Windows Server 2008 NICs under View Network Connections with the server profile configuration shown in the exhibit?

**Exhibit:**

Port	Network Name	Status	Port Speed Setting	Allocated Bandwidth	PXE	MAC	Mapping	Delete
1	Default-VLAN-A	OK	Preferred	10 Gb	Use BIOS	00-17-A4-77-48-00	LOM1-a => Bay 1	X
2	Default-VLAN-B	OK	Preferred	10 Gb	Use BIOS	00-17-A4-77-48-02	LOM2-a => Bay 2	X
3	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-48-04	LOM1-b => Bay 1	X
4	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-48-06	LOM2-b => Bay 2	X
5	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-48-08	LOM1-c => Bay 1	X
6	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-48-0A	LOM2-c => Bay 2	X
7	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-48-0C	LOM1-d => Bay 1	X
8	Unassigned	OK	Preferred	Not Allocated	Use BIOS	00-17-A4-77-48-0E	LOM2-d => Bay 2	X

- A. Only the NICs represented by Ports 1 and 2 will be shown.
- B. All the NICs will display as connected.
- C. All the NICs will display as disconnected.
- D. Two NICs will display as connected and six will display as disconnected.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 78

What is the default global parameter setting for how Virtual Connect handles VLANs?

- A. Native VLANs Tag mode
- B. Tunnel VLANs Tag mode
- C. Enable VLANs Tag mode
- D. Map VLANs Tag mode

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 79**

What does a priority value of 101110 denote?

- A. VLAN scheduling
- B. Stacked QoS
- C. Layer 2 QoS
- D. Layer 3 QoS

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 80**

When a Flex-10 server adapter is deployed in a Virtual Connect Flex-10 environment, how are the FlexNICs recognized by the operating system?

- A. as individual 10GbE NICs, until the correct driver is loaded by the operating system at boot time
- B. as individual NICs, after the correct license key has been loaded and verified by the Onboard Administrator
- C. as individual 1GbE NICs, until the correct driver is loaded by the operating system at boot time
- D. transparently, because the server ROM recognizes each FlexNIC as an individual NIC with its own driver

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 81**

How many BladeSystem c7000 enclosures are supported in a single Virtual Connect domain?

- A. 1
- B. 4
- C. 8

D. 16

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 82**

Which management interface provides the administrator with the most control over switch parameters and monitoring functions?

- A. SNMP
- B. Web browser
- C. Menu
- D. CLI

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 83**

Which advantage does Flex-10 technology provide?

- A. increased Layer 2 switch port count
- B. increased CPU performance
- C. decreased number of interconnect modules
- D. increased dynamic management functionality

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 84**

Which status describes a virtual router interface?

- A. It is only considered up if the state of the physical port is up.
- B. It is always up and not directly associated with a physical port.
- C. It is considered up if at least one VLAN's port's members is up.
- D. It is only considered up if the status of the interface protocol is also up.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 85**

Which topologies are in a typical enterprise network? (Select three.)

- A. access
- B. user
- C. web
- D. distribution
- E. core
- F. server

**Correct Answer:** ADE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

#### **QUESTION 86**

What is the purpose of a RADIUS server for switch management?

- A. log file storage and consolidation
- B. storage of configuration files and software images
- C. central user database
- D. SNMP management application server

**Correct Answer:** C



**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 87**

Which OSI model layer uses frames? (Select two.)

- A. Layer 2
- B. Network
- C. Layer 4
- D. Session
- E. Data Link

**Correct Answer: AE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 88**

What are advantages of using Layer 3 to connect from the access layer to the core? (Select three.)

- A. flatter network with fewer hops
- B. equal cost balancing on all links with OSPF
- C. extended broadcast domains
- D. loop control using spanning tree
- E. VRRP configuration not required
- F. no link blocking involved

**Correct Answer: BEF**

**Section: (none)**

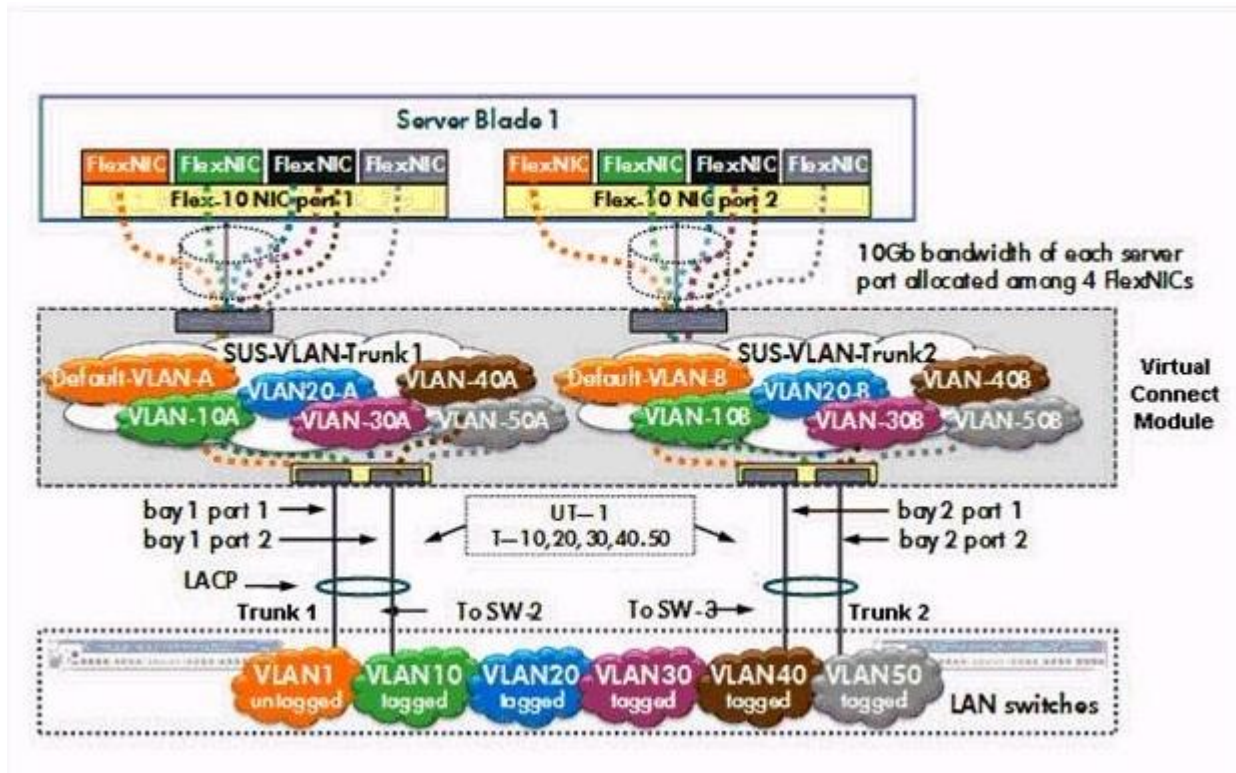
**Explanation**

**Explanation/Reference:**

**QUESTION 89**

What will be the status of Trunk 1 and Trunk 2 in the exhibit?

**Exhibit:**



- A. One trunk will be in an active state and the other will be in a standby state.
- B. Both trunks will be in an active state.
- C. Both trunks will be in a standby state because the VLANs are duplicated in the switches.
- D. Both trunks will be in a standby state because the VLANs are duplicated in Virtual Connect.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 90**

How can MSTP be configured to ensure that VLANs are not orphaned?

- A. Ensure that the switches with the lowest MAC addresses are directly connected.
- B. Allow the assignment of VLAN priorities on each individual interface to influence traffic flow.
- C. Define the appropriate MSTP region version number in each switch's configuration file
- D. Allow the VLANs to be divided across multiple instances, each with unique root bridges and paths.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 91**

At which OSI model layer does a router work?

- A. Session
- B. Transport
- C. Application
- D. Network

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 92**

Which protocols are industry-standard switch protocols? (Select two.)

- A. LLDP
- B. CDP
- C. LLTD
- D. STP
- E. EGRP

**Correct Answer:** AD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 93**

Which factors should be considered when deciding whether to use Map VLAN Tags mode or Tunnel VLAN Tags mode? (Select two.)

- A. end-to-end QoS requirements
- B. ACL configuration of uplink switches
- C. number of VLANs to be supported
- D. trunking mode selected for the uplinks
- E. level of network complexity required

**Correct Answer: BE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 94**

Which OSI model layers does a switch use? (Select two.)

- A. Presentation
- B. Data Link
- C. Application
- D. Network
- E. Physical
- F. Transport
- G. Session

**Correct Answer: BE**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 95**

How does the Cisco Nexus 1000V series virtual switch differ from the VMware vDS?

- A. by enabling bi-directional traffic shaping functionality
- B. by allowing for direct communication between virtual switches
- C. by adding advanced Layer 2 features and protocols to vDS through an API
- D. by supporting single-point management for multiple virtual switches

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 96**

Which statement describes the functionality of a VLAN ACL (VACL)?

- A. It filters traffic between VLANs based on user ID or node MAC address.
- B. It filters traffic between VLANs and filters inbound/outbound traffic for the switch.
- C. It filters IP traffic entering a physical port, port list, or defined static trunk.
- D. It filters IP traffic entering a static VLAN (destined for the same VLAN).

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 97**

In which type of domain does a group of VLANs communicate?

- A. broadcast
- B. collision
- C. virtual
- D. dynamic

**Correct Answer:** A

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 98

Which switching technology is a software virtualization technology that allows the connection of multiple physical switches to form a single virtual switch in either a ring or bus configuration?

- A. Cisco Virtual Port Channel (vPC)
- B. Cisco Virtual Switching System (VSS)
- C. HP Intelligent Resilient Framework (IRF)
- D. HP ProCurve Distributed Trunking (DTP)

**Correct Answer:** C

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 99

A user connects a laptop to Port 6 of a network switch and has access to VLAN 10 resources and the Internet. Several minutes later, the user connects a similarly configured laptop to the same port, and has access to VLAN 11 resources, but no Internet access. What can cause this to occur?

- A. A static ACL is set up for the user that controls VLAN and Internet access permissions for each device the user attempts to connect with.
- B. Each laptop connection is monitored to determine the type of VLAN and Internet access allowed and user access parameters.
- C. The default VLAN is incorrectly configured on one or both laptops or connected switch port.
- D. A dynamic ACL is defined on the switch port that uses a RADIUS server and the laptops' MAC addresses to determine VLAN and Internet access permissions.

**Correct Answer:** D

**Section:** (none)

### Explanation

### Explanation/Reference:

#### QUESTION 100

Which HP Virtual Connect feature provides functionality similar to an industry-standard trunk?

- A. aggregated switch links
- B. tagged VLAN port (802.1Q)
- C. tagged VLAN port plus link aggregation
- D. Shared Uplink Set plus Connection Mode Auto

**Correct Answer:** D

**Section:** (none)

**Explanation**

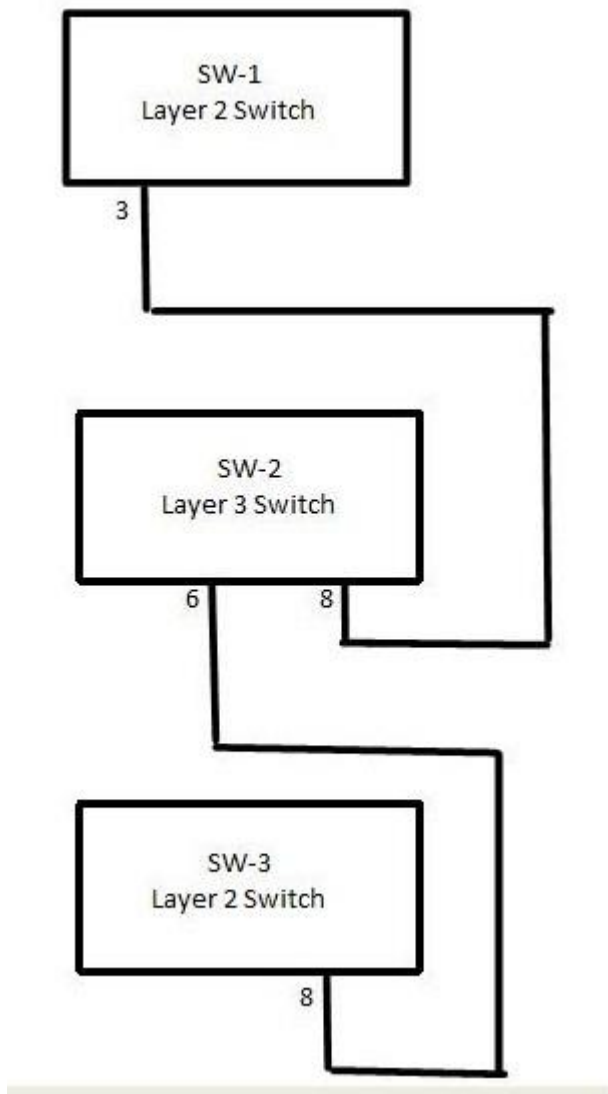
**Explanation/Reference:**

#### **QUESTION 101**

To guarantee effective communication among all switches, how should you configure tagging of port 6 on Switch 2?

Click the Exhibit button.

**Exhibit:**



- A. untagged for VLAN 1 and tagged for all VLANs on Switch 1
- B. untagged for VLANs on Switch 3 and tagged for VLANs on Switch 1
- C. untagged and/or tagged for VLANs that are common to it and all connected switches
- D. tagged for all VLANs defined on Switch 1



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 102**

What can be used by a QoS policy to classify traffic? (Select two.)

- A. ingress port
- B. packet size
- C. Layer 2 802.1p (tag) field
- D. egress port
- E. TCP window size

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 103**

Which steps are involved in traffic prioritization? (Select three.)

- A. scheduling
- B. sorting
- C. classifying
- D. marking
- E. limiting
- F. discarding

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 104**

A customer plans to manage Virtual Connect Fibre Channel modules in a domain. Why is a Virtual Connect Ethernet module required?

- A. Virtual Connect Manager software is embedded on the Virtual Connect Ethernet module.
- B. Virtual Connect Fibre Channel modules are not stand-alone devices and rely on Virtual Connect Ethernet module circuitry for operation.
- C. Virtual Connect Fibre Channel modules use the routing engine of the Virtual Connect Ethernet module for FCoE traffic.
- D. The management IP address for the Virtual Connect Fibre Channel modules is only accessible through a Virtual Connect Ethernet module.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 105**

What is a benefit of dynamic link aggregation?

- A. Port VLAN membership is transferred to a dynamic trunk.
- B. Dynamic links support HP port trunking.
- C. Dynamic standby links are supported.
- D. Dynamic links appear in the switch configuration file.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 106**

How do you return a Flex-10 adapter to non-FlexNIC mode? (Select two.)

- A. Delete the server profile.
- B. Edit the FRU designator in the Onboard Administrator.
- C. Replace the Flex-10 VC module with a standard VC module.
- D. Choose a smaller MAC address range in the network settings.
- E. Disable FlexNIC functionality in the ROM.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 107**

Which statement is correct about a Shared Uplink Set?

- A. It is the only uplink type that allows tagged and untagged VLANs.
- B. It is the only construct that allows uplinks to form a trunk.
- C. It is a connecting point for vNets that share server downlink ports.
- D. It allows a set of uplinks to be shared by multiple VLANs.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 108**

What allocates bandwidth across the FlexNICs in an HP Virtual Connect Flex-10 environment?

- A. The Virtual Connect Manager or Virtual Connect Enterprise Manager monitors the utilization of each FlexNIC and dynamically adjusts bandwidth accordingly.
- B. When the Windows Server 2008 operating system is loaded, each FlexNIC has its own driver. Right-clicking on the icon enables you to set the individual bandwidth.
- C. When the Virtual Connect Flex-10 Ethernet module and Onboard Administrator (OA) discover the FlexNICs, bandwidth is allocated using the OA.
- D. The Virtual Connect Manager or Virtual Connect Enterprise Manager Server Profile construct is used to manage each FlexNIC and configure its bandwidth.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 109**

What is the SNTP protocol used for?

- A. file transfer
- B. address resolution
- C. time synchronization
- D. loop prevention

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 110**

Bridge priority is at the default value in a spanning tree environment. Which parameter do you use to elect the Root bridge?

- A. Root Enable parameter
- B. MSTP version number
- C. switch MAC address
- D. lowest-cost switch path

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 111**

A server profile has been defined where the total custom and preferred bandwidth values specified for the server's FlexNICs exceed 10Gb. How does Virtual Connect Manager handle this situation?

- A. It allocates the requested bandwidth to each FlexNIC, starting with the lowest numbered port until the entire 10Gb has been assigned. The remaining ports are disabled.
- B. It calculates the proportion of the total each FlexNIC has been allocated and assigns each an equal proportion of the available 10Gb.
- C. It forces the bandwidth values to be re-entered until the total requested does not exceed the 10Gb available.
- D. It returns an error and requires the deletion and re-creation of the server profiles that have been defined across all the enclosures in the domain.

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 112**

What do QinQ and Stacked VLANs describe?

- A. a format that enables tunneling of tagged frames
- B. a format that implements QoS within VLANs
- C. a format used to traverse untagged ports
- D. a format used when frames traverse switch-to-switch ports

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 113**

What are the global parameter settings for how Virtual Connect handles VLANs? (Select two.)

- A. Native VLANs Tag mode
- B. Tunnel VLANs Tag mode
- C. Enable VLANs Tag mode
- D. Map VLANs Tag mode
- E. Ignore VLANs Tag mode

**Correct Answer: BD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

<http://www.lead2pass.com/HP0-S32.html>

**QUESTION 114**

Which parameters do Virtual Connect algorithms use to determine the correct LACP trunk link for a conversation between nodes in different VLANs? (Select two.)

- A. source and destination IP addresses for Layer 3 traffic
- B. source and destination MAC addresses for Layer 2 traffic
- C. source and destination IP addresses plus the TCP or UDP port
- D. LACP trunk link quality and congestion for Layer 2 traffic
- E. destination VLAN ID and source MAC address for Layer 2 traffic

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 115**

Which HP tool is used to create an HP Integrity virtual switch?

- A. Virtual Connect Manager
- B. System Management Homepage
- C. Virtual Management Processor (vMP)
- D. Onboard Administrator

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 116**

Which protocol is an industry-standard trunking protocol?

- A. PAgP
- B. HP Port Trunking
- C. ISL
- D. LACP

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 117**

How does a Shared Uplink Set handle VLAN tags in Map mode?

- A. accepts only untagged frames from the servers or the switch
- B. accepts only tagged frames from the servers and only untagged frames from the switch
- C. accepts tagged or untagged frames from the switch and only untagged frames from the servers
- D. accepts tagged or untagged frames from the servers or the switch

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 118**

What does Virtual Connect require to support LACP on upstream switches?

- A. Link Aggregation Group (LAG) IDs must be greater than 22.
- B. The Virtual Connect Uplink parameter must be set to Auto.
- C. The trunk must be configured as a static partner.
- D. The Virtual Connect Uplink parameter must be set to Failover.

**Correct Answer: B**

**Section: (none)**

**Explanation**

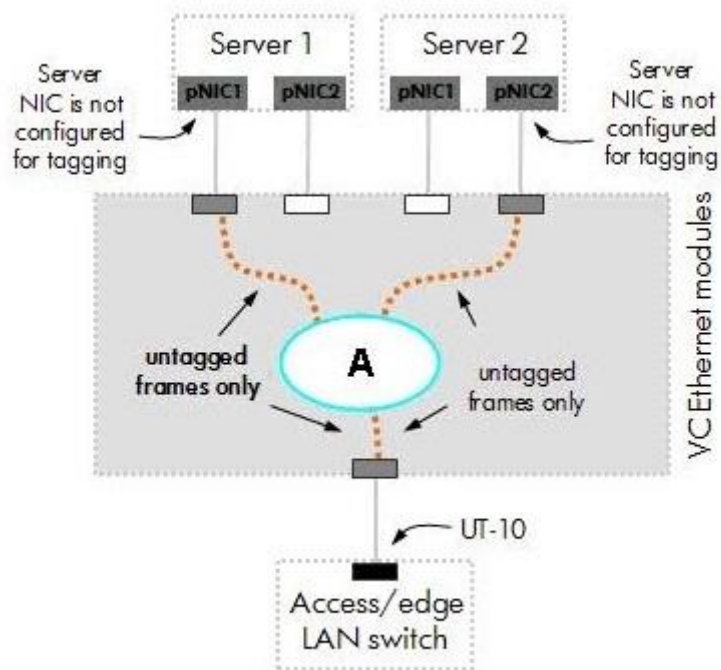
**Explanation/Reference:**

**QUESTION 119**

What is represented by the circled area in the exhibit?

Click the Exhibit button.

**Exhibit:**



- A. Server NIC Team
- B. Shared Uplink Set (SUS)
- C. Aggregated Link (LACP)
- D. Virtual Network (vNET)

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 120

What is a unique advantage that Virtual Connect Fibre Channel provides?



- A. It fully supports VMware ESX and ESXi technologies.
- B. It supports 1/2/4/8Gb auto-negotiation on each uplink port.
- C. The WWNs in the server blades maintain a hardware-independent, consistent storage identity.
- D. Full support of NPIV allows interoperability with HP ProCurve, Brocade, and Cisco switches.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**