

HP

Exam HP0-S32

HP BladeSystem Networking 2011

Version: 6.1

[Total Questions: 136]

Topic 1, Volume A**Question No : 1 - (Topic 1)**

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.

Answer: A,B,D

Question No : 2 - (Topic 1)

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

Answer: A,D,F

Question No : 3 - (Topic 1)

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

Answer: D

Question No : 4 - (Topic 1)

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

Answer: C

Question No : 5 - (Topic 1)

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)

Answer: A,D,E

Question No : 6 - (Topic 1)

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.

Answer: A,D,F

Question No : 7 - (Topic 1)

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

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

Answer: C

Question No : 8 - (Topic 1)

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

Answer: B

Question No : 9 - (Topic 1)

What is used to achieve Fibre Channel data transfer?

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

Answer: D

Question No : 10 - (Topic 1)

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

Answer: D

Question No : 11 - (Topic 1)

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

Answer: B

Question No : 12 - (Topic 1)

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

Answer: C

Question No : 13 - (Topic 1)

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

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

Answer: A,D,F

Question No : 14 - (Topic 1)

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.

Answer: C

Question No : 15 - (Topic 1)

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

Answer: D

Question No : 16 - (Topic 1)

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

Answer: A

Question No : 17 - (Topic 1)

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.

Answer: B,D,E

Question No : 18 - (Topic 1)

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

Answer: B,D,E

Question No : 19 - (Topic 1)

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

Answer: A,D

Question No : 20 - (Topic 1)

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

Answer: A

Question No : 21 - (Topic 1)

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.

Answer: C

Question No : 22 - (Topic 1)

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

Answer: C,E

Question No : 23 - (Topic 1)

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

Answer: B,E

Question No : 24 - (Topic 1)

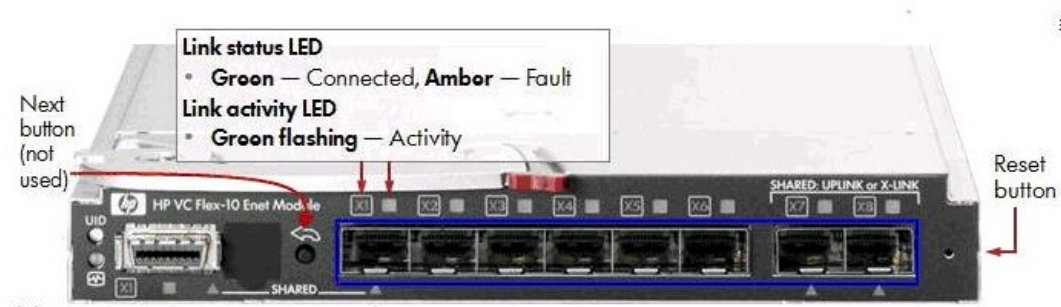
How many World Wide Names (WWNs) does Virtual Connect Manager make available?

- 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

Answer: C

Question No : 25 - (Topic 1)

Click the Exhibit button.



Identify the port type shown in the blue outlined area.

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

Answer: B

Question No : 26 - (Topic 1)

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

Answer: B

Question No : 27 - (Topic 1)

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