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QUESTION 226 What two things occur when an RSTP edge port receives a BPDU? (Choose two.)
A. The port immediately transitions to the forwarding state.
B. The switch generates a Topology Change Notification BPDU.
C. The port immediately transitions to the err-disable state.
D. The port becomes a normal STP switch port.
Answer: BD

QUESTION 227 How does VTP pruning enhance network bandwidth?
A. by restricting unicast traffic across VTP domains
B. by reducing unnecessary flooding of traffic to inactive VLANs
C. by limiting the spreading of VLAN information
D. by disabling periodic VTP updates
Answer: B

QUESTION 228 In the hardware address 0000.0c07.ac0a, what does 07.ac represent?
A. vendor code
B. HSRP group number
C. HSRP router number
D. HSRP well-known physical MAC address
E. HSRP well-known virtual MAC address
Answer: E

QUESTION 229 Which statement is true about RSTP topology changes?
A. Any change in the state of the port generates a TC BPDU.
B. Only nonedge ports moving to the forwarding state generate a TC BPDU.
C. If either an edge port or a nonedge port moves to a block state, then a TC BPDU is generated.
D. Only edge ports moving to the blocking state generate a TC BPDU.
E. Any loss of connectivity generates a TC BPDU.
Answer: B

QUESTION 230 Refer to the exhibit. Based on the debug output, which three statements about HSRP are true? (Choose three.)
A. The final active router is the router with IP address 172.16.11.111.
B. The router with IP address 172.16.11.111 has preempt configured.
C. The priority of the router with IP address 172.16.11.112 is preferred over the router with IP address 172.16.11.111.
D. The IP address 172.16.11.115 is the virtual HSRP IP address.
E. The router with IP address 172.16.11.112 has nonpreempt configured.
F. The router with IP address 172.16.11.112 is using default HSRP priority.
Answer: ABD

QUESTION 231 What is the maximum number of switches that can be stacked using Cisco StackWise?
A. 4
B. 5
C. 8
D. 9
E. 10
F. 13
Answer: D
Explanation: Up to 9 Cisco Catalyst switches can be stacked together to build single logical StackWise switch since Cisco IOS XE Release 3.3.0SE. Prior to Cisco IOS XE Release 3.3.0SE, up to 4 Cisco Catalyst switches could be stacked together.

http://www.cisco.com/c/en/us/products/collateral/switches/catalyst-3850-series-switches/qa_c67-722110.html

QUESTION 232 A network engineer wants to add a new switch to an existing switch stack. Which configuration must be added to the new switch before it can be added to the switch stack?
A. No configuration must be added.
B. stack-ID
C. IP address
D. VLAN information
E. VTP information
Answer: A
Explanation: http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750x_3560x/software/release/12-2_55_se/configuration/guide/3750xscg/swstack.html

QUESTION 233 Which two statements about SPAN source and destination ports during an active session are true? (Choose two.)
A. The source port can be only an Ethernet physical port.
B. The source port can be monitored in multiple SPAN sessions.
C. The destination port can be destination in multiple SPAN sessions.
D. The destination port does not participate in STP.
E. You can mix individual source ports and source VLANs within a single session.
Answer: BD

QUESTION 234 In a switch stack environment, what is the total bidirectional traffic flow between two logical counter-rotating paths?
A. 16 Gbps
B. 32 Gbps
C. 64 Gbps
D. 128 Gbps
Answer: B

QUESTION 235 A network engineer configures port security and 802.1x on the same interface. Which option describes what this configuration allows?
A. It allows port security to secure the MAC address that 802.1x authenticates.
B. It allows port security to secure the IP address that 802.1x authenticates.
C. It allows 802.1x to secure the MAC address that port security authenticates.
D. It allows 802.1x to secure the IP address that port security authenticates.
Answer: A
Explanation: 802.1X and Port Security You can configure port security and 802.1X on the same interfaces. Port security secures the MAC addresses that 802.1X authenticates. 802.1X processes packets before port security processes them, so when you enable both on an interface, 802.1X is already preventing inbound traffic on the interface from unknown MAC addresses.

http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_1/nx-os/security/configuration/guide/sec_nx-os-cfg/sec_portsec.html

QUESTION 236 Which feature describes MAC addresses that are dynamically learned or manually configured, stored in the address table, and added to the running configuration?
A. sticky
B. dynamic
C. static
D. secure
Answer: A
Explanation: With port security, you can configure MAC addresses to be sticky. These can be dynamically learned or manually configured, stored in the address table, and added to the running configuration. If these addresses are saved in the configuration file, the interface does not need to dynamically relearn them when the switch restarts. Although sticky secure addresses can be manually configured, it is not

recommended. http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst4500/12-2/25ew/configuration/guide/conf/port_sec.pdf
QUESTION 237 What is the default amount by which the hot standby priority for the router is decremented or incremented when the interface goes down or comes back up? A. 1B. 5C. 10D. 15
Answer: C
Explanation: The standby track interface configuration command ties the router hot standby priority to the availability of its interfaces and is useful for tracking interfaces that are not configured for HSRP. When a tracked interface fails, the hot standby priority on the device on which tracking has been configured decreases by 10. If an interface is not tracked, its state changes do not affect the hot standby priority of the configured device. For each interface configured for hot standby, you can configure a separate list of interfaces to be tracked.

http://www.cisco.com/en/US/docs/switches/lan/catalyst3550/software/release/12.1_19_ea1/configuration/guide/swhsrp.html
QUESTION 238 What is the maximum number of virtual MAC addresses that GLBP allows per group? A. 2B. 4C. 6D. 8
Answer: B
Explanation: GLBP Virtual MAC Address Assignment A GLBP group allows up to four virtual MAC addresses per group. The AVG is responsible for assigning the virtual MAC addresses to each member of the group. Other group members request a virtual MAC address after they discover the AVG through hello messages. Gateways are assigned the next MAC address in sequence. A virtual forwarder that is assigned a virtual MAC address by the AVG is known as a primary virtual forwarder. Other members of the GLBP group learn the virtual MAC addresses from hello messages. A virtual forwarder that has learned the virtual MAC address is referred to as a secondary virtual forwarder. Reference:

http://www.cisco.com/en/US/docs/ios/12_2t/12_2t15/feature/guide/ft_glbp.html#wp1039651
QUESTION 239 Which option is a benefit of using VSS? A. reduces cost B. simplifies configuration C. provides two independent supervisors with two different control planes D. removes the need for a First Hop Redundancy Protocol
Answer: D
Explanation: First Hop Redundancy Protocols (FHRPs) such as VRRP and HSRP were designed to allow for a highly available first IP route hop for host systems. FHRPs allow two (or more) distinct routers to share a common IP address providing a redundant Layer-3 default gateway for end nodes. The VSS system creates a single logical router at Layer 3. This VSS routing instance fulfills this first-hop role without the need for a dedicated protocol. The VSS IP route is highly available due to MEC and the resiliency of the VSS system. VSS eliminates the need for FHRP at the aggregation layer of the data center. Reference:

http://www.cisco.com/en/US/docs/solutions/Enterprise/Data_Center/vssdc_integrate.html
QUESTION 240 Which statement about restrictions for multichassis LACP is true? A. It is available only on a Cisco Catalyst 6500 Series chassis. B. It does not support 1Gb links. C. Converting a port channel to mLACP can cause a service disruption. D. It is not available in VSS.
Answer: C
Explanation: When configuring mLACP for Server Access, follow these guidelines and restrictions: PFC3A mode does not support the mLACP for server access feature. VSS mode does not support the mLACP for server access feature. No more than 100 VLANs can be active on a switch configured as a PoA. mLACP does not support half-duplex links. mLACP does not support multiple neighbors. Converting a port channel to mLACP can cause a service disruption. The DHD system priority must be lower (higher numerically) than the PoA system priority. Reference:

http://www.cisco.com/en/US/docs/switches/lan/catalyst6500/ios/12.2SX/configuration/guide/mlacp_server_support.html
QUESTION 241 What is the default value for the errdisable recovery interval in a Cisco switch? A. 30 seconds B. 100 seconds C. 300 seconds D. 600 seconds
Answer: C
Explanation:

http://www.cisco.com/en/US/tech/tk389/tk621/technologies_tech_note09186a00806cd87b.shtml
QUESTION 242 Which statement about LLDP-MED is true? A. LLDP-MED is an extension to LLDP that operates between endpoint devices and network devices. B. LLDP-MED is an extension to LLDP that operates only between network devices. C. LLDP-MED is an extension to LLDP that operates only between endpoint devices. D. LLDP-MED is an extension to LLDP that operates between routers that run BGP.
Answer: A
Explanation: LLDP for Media Endpoint Devices (LLDP-MED) is an extension to LLDP that operates between endpoint devices such as IP phones and network devices such as switches. It specifically provides support for voice over IP (VoIP) applications and provides additional TLVs for capabilities discovery, network policy, Power over Ethernet, and inventory management.

QUESTION 243 A switch has been configured with the vlan dot1q tag native command. Which statement describes what the switch does with untagged frames that it receive? A. Untagged frames are forwarded via the default VLAN. B. It drops the untagged frames. C. The trunked port is put in err-disable state. D. Untagged frames are forwarded via the native VLAN.
Answer: D
QUESTION 244 What condition was match during etherchannel configuration. A. Spanning tree port priority B. Spanning tree cost C. Interface Description D. Trunk mode E. Trunk allow vlan
Answer: D
QUESTION 245 In a switch stack where is the the SDM template stored? A. All switches in stack B. Master switch C. Flash memory
Answer: B
QUESTION 246 Refer to exhibit, which two statements correctly indicate when an SNMP trap is set to the switch? (Choose two) Switch(config)# snmp-server enable traps mac-notification Switch(config)# mac address-table notification threshold Switch(config)# mac address-table notification threshold limit 60 Switch(config)# mac address-table notification mac-move A. When a new workstation

connects to port F0/1B. When 61 MAC address are in the switchC. When 61 percent of the Address table capacity is usedD. When the switch loses power and rebootsE. When the phone previously on Fa0/2 is now connect to Fa0/5 Answer: CE
QUESTION 247What is the default port security violation A. logB. shutdownC. no changeD. error-disable Answer: B
QUESTION 248What is the command for configuring root guard? A. (config)#spanning-tree guard rootB.
(config-if)#spanning-tree guard rootC. (config-if)#spanning-tree root guardD. (config-if)#spanning tree guard rootE.
(config)#spanning-tree root guard Answer: B QUESTION 249Network engineer want to use UDLD, what he need to consider? A.
udld is a non-proprietyB. udld is working with non cisco devicesC. udld is layer 1D. udld can aggressively disabled the port
after eight failed retries Answer: D QUESTION 250What happens if an interface within channel group is configure as SPAN
destination? A. portchannel will forward traffic to source spanB. will not be operationalC. the link will be in error-disable
Answer: B Thanks for the high quality 300-115 study guide. Will be back soon for more dumps. 300-115 new questions on Google
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