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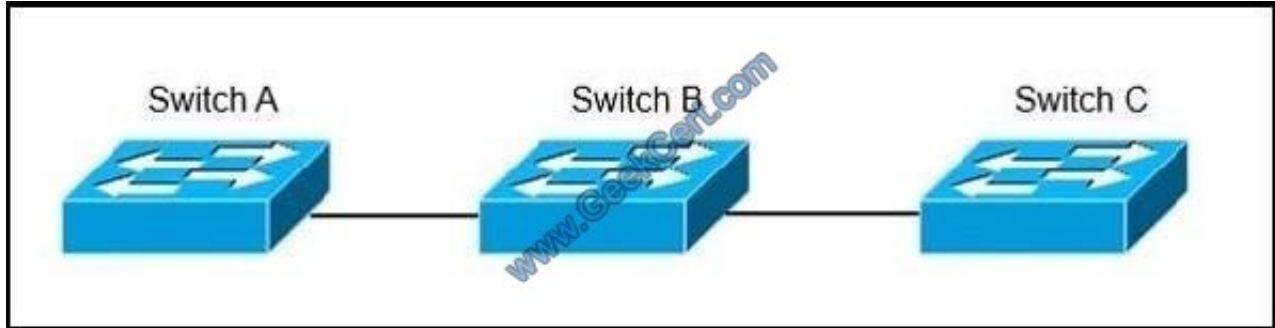Following Questions and Answers are all new published by Cisco
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QUESTION 1

Refer to the exhibit.

Switch A, B, and C are trunked together and have been properly configured for VTP. Switch C receives VLAN information from the VTP server Switch A, but Switch B does not receive any VLAN information. What is the most probable cause of this behavior?

A. Switch B is configured in transparent mode.

B. Switch B is configured with an access port to Switch A, while Switch C is configured with a trunk port to Switch B.

C. The VTP revision number of the Switch B is higher than that of Switch A.

D. The trunk between Switch A and Switch B is misconfigured.

Correct Answer: A

VTP transparent switches do not participate in VTP. A VTP transparent switch does not advertise its VLAN configuration and does not synchronize its VLAN configuration based on received advertisements, but transparent switches do

forward VTP advertisements that they receive out their trunk ports in VTP Version 2.

Reference:

http://www.cisco.com/en/US/tech/tk389/tk689/technologies_tech_note09186a0080094c52.shtml

QUESTION 2

Which option is a benefit of configuring UDLD on a link between two switches?

A. UDLD removes switching loops.

B. UDLD helps prevent switching loops

C. UDLD provides a backup mechanism for fiber.

D. UDLD determines the best switching path

Correct Answer: B

QUESTION 3

Which two restrictions of the port security feature are true? (Choose two.)

A. It is not supported on destination SPAN ports.

B. It is not supported on EtherChannel port-channel interfaces.

C. Static port MAC address assignments are not supported.

D. A single device can learn a maximum of three stick MAC addresses.

E. It is not supported on PVLAN ports.

Correct Answer: AC

QUESTION 4

While doing network discovery using Cisco Discovery Protocol, it is found that rapid error tracking is not currently enabled. Which option must be enabled to allow for enhanced reporting mechanisms using Cisco Discovery Protocol?

A. Cisco Discovery Protocol version 2

B. Cisco IOS Embedded Event Manager

C. logging buffered

D. Cisco Discovery Protocol source interface

E. Cisco Discovery Protocol logging options

Correct Answer: A

CDP Version 1 -- This is the first version of CDP which was used for the discovery of Cisco devices in the network. This version is mainly used for backward compatibility.

CDP Version 2 -- This is the most recent version of CDP which has enhanced features such as rapid reporting mechanism, which is used to track down errors and minimize costly downtime. It allows you to track instances even if the native

VLAN ID or port duplex states do not match between connecting devices.

This is the default version on all switches.

Reference: http://sbkb.cisco.com/CiscoSB/GetArticle.aspx?
docid=0ed03cbac49b446ab390a657917d817c_Cisco_Discovery_Protocol_CDP__Properties_Set
tings_on_Sx500_S.xmlandpid=2andconverted=0

QUESTION 5

Which two statements about RPVST+ are true? (Choose two.)

A. It automatically enabled uplinkfast and backbonefast

B. It elects one root switch per VLAN instance

C. It supports two STP instances per VLAN.

D. It is incompatible with spanning tree portfast.

E. Backwards compatibility with 802.1d is not supported.

Correct Answer: AB

QUESTION 6

which command enables root guard on a cisco switch?

A. switch(config-if)# spanning-tree guard root

B. switch(config)# spanning-tree guard root

C. switch(config-if)# spanning-tree guard-root

D. switch(config)# spanning-tree root guard

E. switch(config-if)# spanning-tree root guard

Correct Answer: A

QUESTION 7

Which two commands enable you to determine the native VALAN that is configured on an interface? (Choose two.)

A. Show interfaces

B. Show interface trunk

C. Show running-confg

D. Show interface status

E. Show interface brief

Correct Answer: BC

QUESTION 8

Which device type can act as a client in a system that uses TACACS+?

A. router

B. ADserver

C. end user wireless device

D. end user workstation

Correct Answer: B

QUESTION 9

Which two statements about GLBP are true? (Choose two.)

A. Member devices send hello messages to multicast address 224.0.0.39.

B. Member devices must elect exactly one AVG.

C. Member device can elect one more AVGs

D. The AVG assigns virtual MAC addresses to all group members.

E. It supports up to 32 groups on a single interface

Correct Answer: BD

QUESTION 10

A network engineer deployed a switch that operates the LAN base feature set and decides to use the SDM VLAN template. The SDM template is causing the CPU of the switch to spike during peak working hours. What is the root cause of this issue?

A. The VLAN receives additional frames from neighboring switches.

B. The SDM VLAN template causes the MAC address-table to overflow.

C. The VLAN template disables routing in hardware.

D. The switch needs to be rebooted before the SDM template takes effect.

Correct Answer: C

SDM Template Notes:

All templates are predefined. There is no way to edit template category individual values.

The switch reload is required to use a new SDM template.

The ACL merge algorithm, as opposed to the original access control entries (ACEs) configured by the user, generate the number of TCAM entries listed for security and QoS ACEs. The first eight lines (up to Security ACEs) represent

approximate hardware boundaries set when a template is used. If the boundary is exceeded, all processing overflow is sent to the CPU which can have a major impact on the performance of the switch. Choosing the VLAN template will

actually disable routing (number of entry for unicast or multicast route is zero) in hardware. Reference: http://www.cisco.com/c/en/us/support/docs/switches/catalyst-3750- series- switches/44921-swdatabase-3750ss-44921.html

QUESTION 11

An access switch has been configured with an EtherChannel port. After configuring SPAN to monitor this port, the network administrator notices that not all traffic is being replicated to the management server. What is a cause for this issue?

A. VLAN filters are required to ensure traffic mirrors effectively.

B. SPAN encapsulation replication must be enabled to capture EtherChannel destination traffic.

C. The port channel can be used as a SPAN source, but not a destination.

D. RSPAN must be used to capture EtherChannel bidirectional traffic.

Correct Answer: C

Explanation: A source port or EtherChannel is a port or EtherChannel monitored for traffic analysis. You can configure both Layer 2 and Layer 3 ports and EtherChannels as SPAN sources. SPAN can monitor one or more source ports or EtherChannels in a single SPAN session. You can configure ports or EtherChannels in any VLAN as SPAN sources. Trunk ports or EtherChannels can be configured as sources and mixed with nontrunk sources. A port-channel interface (an EtherChannel) can be a SPAN source, but not a destination. Reference: http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst6500/ ios/12- 2SX/configuration/guide/book/ span.html#wp1040905

QUESTION 12

Which two types of VLANs using PVLANs are valid? (Choose two.)

A. secondary

B. community

C. isolated

D. promiscuous

E. backup

Correct Answer: BC

QUESTION 13

Which Statement about the default SWITCH Database Management Template is true?

A. Template disables routing and supports the maximum number of unicast MAC addresses.

B. Template maximizes system resources for access control lists.

C. Template maximizes system resources for unicast routing.

D. Template gives balance to all functions.

Correct Answer: D

QUESTION 14

Match the HSRP states on the left with the correct definition on the right.

Select and Place:

Select from these

- Learn
- Listen
- Speak
- Standby
- Active
- Initial

Place here

	State from which the routers begin the HSRP process
	A candidate to become the next active router
	The router is still waiting to hear from the active router
	The router is currently forwarding packets
	Listens for hello messages from the active and standby router
	Participates in the election for the active or standby router

Correct Answer:

Select from these	Place here	
	Initial	State from which the routers begin the HSRP process
	Standby	A candidate to become the next active router
	Learn	The router is still waiting to hear from the active router
	Active	The router is currently forwarding packets
	Listen	Listens for hello messages from the active and standby router
	Speak	Participates in the election for the active or standby router

QUESTION 15

Which two commands add VLAN 20 to the VLAN configuration file? (Choose two.)

A. switch(config)# vlan configuration 20

B. switch(config)# interface vlan 20

C. switch(config)# vlan 20

D. switch(config)# switchport access vlan 20

E. switch(config)# switchport trunk allowed vlan 20

Correct Answer: CD

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