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QUESTION 1

Which two statements about Layer 2 Frame Prioritization bits are true? (Choose two.)

A. 802.1Q frame headers carry the CoS value in the three most-significant bits of the 2- byte Tag Control Information field.

B. ISL frame headers carry an IEEE 802.1P CoS value in the three least-significant bits of the 2-byte User field.

C. ISL frame headers carry an IEEE 802.1P CoS value in the three most-significant bits of the 1-byte User field.

D. On 802.1Q trunks, traffic in the native VLAN is carried in 802.1Q frames.

E. Only 802.1Q and ISL frame types can carry CoS information.

F. On 802.1Q trunks, traffic in the native VLAN is carried in 802.1P frames.

Correct Answer: AE

QUESTION 2

MPLS LDP IGP synchronization is configured on a link. The OSPF adjacency on that link is UP but MPLS LDP synchronization is not achieved. Which statement about this scenario is true?

A. The router excludes the link from its OSPF LSA type 1.

B. The router flushes its own router LSA.

C. The router advertises the link in its router LSA with max-metric.

D. The router advertises an LSA type 2 for this link, with the metric set to max-metric.

E. The router advertises the link and OSPF adjacency as it would when the synchronization is achieved.

Correct Answer: C

To enable LDP-IGP Synchronization on each interface that belongs to an OSPF or IS-IS process, enter the mpls ldp sync command. If you do not want some of the interfaces to have LDP-IGP Synchronization enabled, issue the no mpls ldp igp sync command on those interfaces. If the LDP peer is reachable, the IGP waits indefinitely (by default) for synchronization to be achieved. To limit the length of time the IGP session must wait, enter the mpls ldp igp sync holddown command. If the LDP peer is not reachable, the IGP establishes the adjacency to enable the LDP session to be established. When an IGP adjacency is established on a link but LDP-IGP Synchronization is not yet achieved or is lost, the IGP advertises the max-metric on that link.

Reference: http://www.cisco.com/c/en/us/td/docs/ios/12_0s/feature/guide/fsldpsyn.html

QUESTION 3

Which two options are the two main phases of PPPoE? (Choose two.)

A. Active Discovery Phase

B. IKE Phase

C. Main Mode Phase

D. PPP Session Phase

E. Aggressive Mode Phase

F. Negotiation Phase

Correct Answer: AD

PPPoE is composed of two main phases:

Active Discovery Phase -- In this phase, the PPPoE client locates a PPPoE server, called an access concentrator. During this phase, a Session ID is assigned and the PPPoE layer is established.

PPP Session Phase -- In this phase, PPP options are negotiated and authentication is performed. Once the link setup is completed, PPPoE functions as a Layer 2 encapsulation method, allowing data to be transferred over the PPP link within

PPPoE headers.

Reference: http://www.cisco.com/c/en/us/td/docs/security/asa/asa92/configuration/vpn/asa- vpn-cli/vpn-pppoe.html

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QUESTION 4

Refer to the exhibit.

Which three statements about the output are true? (Choose three.)

A. An mrouter port can be learned by receiving a PIM hello packet from a multicast router.

B. This switch is configured as a multicast router.

C. Gi2/0/1 is a trunk link that connects to a multicast router.

D. An mrouter port is learned when a multicast data stream is received on that port from a multicast router.

E. This switch is not configured as a multicast router. It is configured only for IGMP snooping.

F. IGMP reports are received only on Gi2/0/1 and are never transmitted out Gi2/0/1 for VLANs 10 and 20.

Correct Answer: ABC

In this example, the switch has been configured as a multicast router since IGMP snooping has been enabled. All

mrouters can learn about other mrouters by receiving a PIM hello packet from another multicast router. Also, since two different VLANs are being used by the same port of gi 2/0/1, it must be a trunk link that connects to another multicast router.

QUESTION 5

Which option is the default point of insertion for the BGP cost community?

A. before best path calculation

B. after best path calculation

C. after the IGP metric comparison

D. after the router ID comparison

Correct Answer: C

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