642-873^{Q&As}

Designing Cisco network Service Architectures (ARCH)

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QUESTION 1

Which of the following facts must be considered when designing for IP telephony within an Enterprise Campus network?

A. Because the IP phone is a three-port switch, IP telephony extends the network edge, impacting the Distribution layer.

B. Video and voice are alike in being bursty and bandwidth intensive, and thus impose requirements to be lossless, and have minimized delay and jitter.

C. IP phones have no voice and data VLAN separation, so security policies must be based on upper layer traffic characteristics.

D. Though multi-VLAN access ports are set to dot1q and carry more than two VLANs they are not trunk ports.

Correct Answer: D

QUESTION 2

Which network virtualization technology provides logical isolation of network traffic at Layer 3?

A. VSS

B. VLAN

C. VRF-Lite

D. MEC

Correct Answer: C

QUESTION 3

Support of vPC on the Cisco Nexus 5000 access switch enables various new design options for the data center Access layer, including which of the following?

A. The vPC peer link is not required for Access layer control traffic, and can instead be used to span VLANs across the vPC access switches

B. A single switch can associate per-interface with more than one vPC domain

C. vPC can be used on both sides of the MEC, allowing a unique 16-link EtherChannel to be built between the access and aggregation switches

D. Allows an EtherChannel between a server and a access switch while still maintaining the level of availability that is associated with dual-homing a server to two different access switches

Correct Answer: C

QUESTION 4

Which two options are two benefits of a Layer 2 looped model? (Choose two.)

A. extends VLANs between switches that are connected to a common aggregation module

B. prevents uplink ports from entering the spanning-tree blocking state

C. provides quick convergence with Rapid Spanning Tree Protocol

D. increases performance to end hosts using directly connected, bonded Layer 2 links

Correct Answer: AC

QUESTION 5

Which of these Layer 2 access designs does not support VLAN extensions?

A. FlexLinks

B. loop-free U

C. looped square

D. looped triangle

E. loop-free inverted U

Correct Answer: B

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