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QUESTION 41 Which three sources does a network designer use to collect information for characterizing an existing network? (Choose three.)

- A. staff input
- B. visual inventory
- C. network audit
- D. traffic analysis
- E. server statistics

Answer: ACD

QUESTION 42 What is the primary consideration when choosing a routed network design over a traditional campus network design?

- A. Layer 3 service support at the network edge
- B. the routing protocol choice: open (OSPF) or proprietary (EIGRP)
- C. the routing abilities of the host devices
- D. the need to control the broadcast domains within the campus core

Answer: A

QUESTION 43 Which statement is true concerning the data center access layer design?

- A. The access layer in the data center is typically built at Layer 3, which allows for better sharing of services across multiple servers.
- B. With Layer 2 access, the default gateway for the servers can be configured at the access or aggregation layer.
- C. A dual-homing NIC requires a VLAN or trunk between the two access switches to support the dual IP addresses on the two server links to two separate switches.
- D. The access layer is normally not required, as dual homing is standard from the servers to the aggregation layer.

Answer: B

QUESTION 44 Which statement is true concerning the data center distribution (aggregation) layer design?

- A. With Layer 3 at the aggregation layer, the physical loops in the topology must still be managed by STP.
- B. The boundary between Layer 2 and Layer 3 must reside in the multilayer switches, independent of any other devices.
- C. A mix of both Layer 2 and Layer 3 access is the most optimal.
- D. In a small data center, the aggregation layer can connect directly to the campus core, exchanging IP routes and MAC address tables.

Answer: C

QUESTION 45 When considering the three VoIP design models - single site, centralized multisite, and distributed multisite - which question below would help to eliminate one of the options?

- A. Will the switches be required to provide inline power?
- B. Will users need to make offsite calls, beyond the enterprise?
- C. Will users require applications such as voice mail and interactive voice response?
- D. Are there users whose only enterprise access is via a QoS-enabled WAN?

Answer: D

QUESTION 46 With deterministic Wireless LAN Controller redundancy design, the different options available to the designer have their own strengths. Which statement is an example of such a strength?

- A. Dynamic load balancing, or salt-and-pepper access point design, avoids the potential impact of oversubscription on aggregate network performance.
- B. N+N redundancy configuration allows logically grouping access points on controllers to minimize intercontroller roaming events.
- C. N+N+1 redundancy configuration has the least impact to system management because all of the controllers are colocated in an NOC or data center.
- D. N+1 redundancy configuration uses Layer 3 intercontroller roaming, maintaining traffic on the same subnet for more efficiency.

Answer: B

QUESTION 47 When there is a need for immunity to EMI for connecting locations that are greater than 100 meters apart, which two solutions can be utilized? (Choose two.)

- A. multimode fiber
- B. Fibre Channel
- C. HVDC transmission lines
- D. single-mode fiber
- E. serial RS-232F
- F. Gigabit Ethernet 1000BASE-CX

Answer: AD

QUESTION 48 Which mode is used to exclusively look for unauthorized access points?

- A. monitor mode
- B. sniffer mode
- C. rogue detector mode
- D. local mode

Answer: C

QUESTION 49 Application servers require load balancing and security services. Where in the data center network should these services be provisioned?

- A. core
- B. aggregation
- C. Layer 3 access
- D. distribution

Answer: B

QUESTION 50 A data center is reaching its power and cooling capacity. What two virtualization technologies can address the problem by directly reducing the number of physical devices? (Choose two.)

- A. virtual switching systems
- B. virtual device contexts
- C. virtual servers
- D. virtual routing and forwarding
- E. virtual port channels
- F. virtual LANs

Answer: BC

QUESTION 51 A dynamically routed private line and a statically routed IPsec tunnel connect two offices. What routing configuration prefers the IPsec tunnel only in the event of a private line failure?

- A. floating static entry
- B. EIGRP variance
- C. bandwidth metric
- D. OSPF maximum paths

Answer: A

QUESTION 52 When designing a new enterprise campus network, what topology should be used for maximum scalability?

- A. flat
- B. three-layer
- C. star
- D. partial mesh
- E. full mesh

Answer: B

QUESTION 53 A spanning tree topology can be simplified by deploying what Cisco IOS technology in the distribution block?

- A. VDCB
- B. vPCC
- C. Rapid PVST+
- D. VSSE
- E. Flex Links

Answer: D

QUESTION 54 An organization is deciding what routing protocol to use throughout their network. What must be considered if routing is to be performed at the access layer?

- A. reduced scalability of the network when introducing a large number of switch blocks into the routing table
- B. centralized management of access control lists at the distribution layer
- C. reliability when implementing routing over spanning-tree at the access layer
- D. performance differences between core, distribution and access layer equipment

Answer: D

QUESTION 55 What is the maximum RIPv2 hop count for a reachable route?

- A. 13
- B. 14
- C. 15
- D. 16

Answer: C

QUESTION 56 Which Cisco

Wireless LAN Controller interface is used for out-of-band management? A. service portB. management portC. controller portD. virtual port Answer: A QUESTION 57In which operation mode does the AP act as a dedicated sensor for location-based and intrusion detection services? A. monitor modeB. promiscuous modeC. discovery modeD. sniffer mode Answer: A QUESTION 58Which HSRP parameters must match, to ensure proper functionality? A. group parametersB. priority parametersC. preempt parametersD. tracking parameters Answer: A QUESTION 59What three primary sources of information are needed to perform a network audit? (Choose three.) A. existing documentationB. new documentationC. existing network management softwareD. new network management toolsE. management personnelF. technical personnel Answer: ACD QUESTION 60 Which three layers comprise the traditional hierarchical model? (Choose three.) A. core layerB. distribution layerC. access layerD. aggregation layerE. network layerF. Internet layer Answer: ABC Thanks for the high quality 200-310 study guide. Will be back soon for more dumps. **200-310** new questions on Google Drive:

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