

Cisco 200-310 Exam

Volume: 213 Questions

Question No: 1

Which two statements about designing the Data Center Access layer are correct? (Choose two.)

- A. Multiport NIC servers should each have their own IP address.
- B. Layer 3 connectivity should never be used in the access layer.
- C. Layer 2 connectivity is primarily implemented in the access layer.
- D. Multiport NIC servers should never be used in the access layer.
- E. Layer 2 clustering implementation requires servers to be Layer 2 adjacent.

Answer: C,E

Question No: 2

An organization needs a WAN Transport technology that meets these criteria:

- has a low initial cost
- provides low-to-medium BW
- has medium-to-high latency and jitter

Which technology should the organization use?

- A. DSL
- B. X.25
- C. ISDN
- D. wireless
- E. analog modem

Answer: A

Question No: 3

Which two of these are scalability benefits of designing a network that utilizes VPNs? (Choose two.)

- A. extends the network to remote users

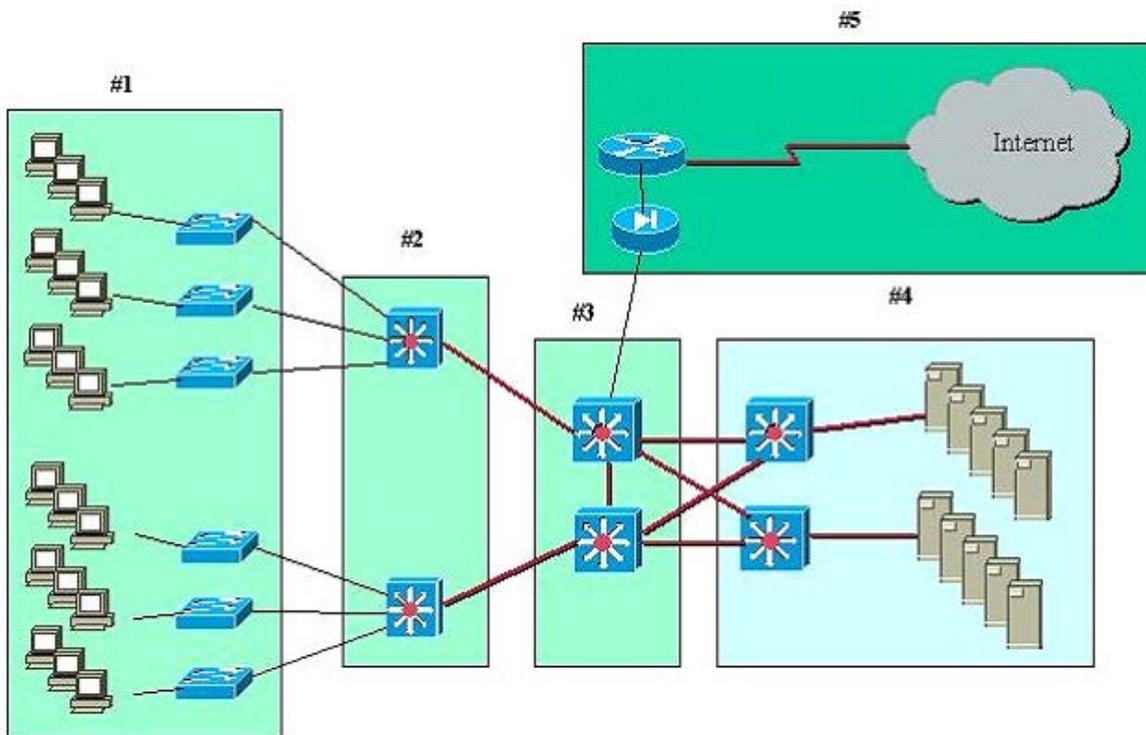
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- B. allows networks to be set up and restructured quickly
- C. reduces dial infrastructure expenditures
- D. reduces the number of physical connections
- E. simplifies the underlying structure of a customer WAN

Answer: D,E

Question No: 4

Refer to the exhibit.



A standard Layer 2 campus network design is pictured. Which numbered box represents the core layer?

- A. #1
- B. #2
- C. #3
- D. #4
- E. #5

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Answer: C

Question No: 5

Which two design criteria require VLANs in a proposed solution? (Choose two.)

- A. video streaming on the LAN
- B. security between departments
- C. the segmenting of collision domains
- D. the segmenting of broadcast domains
- E. the use of multivendor equipment
- F. a limited corporate budget

Answer: B,D

Question No: 6

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: A,C,D

Question No: 7

Which Cisco security mechanism has the attributes listed below?

- it is a sensor appliance
- it searches for potential attacks by capturing and analyzing traffic
- it is a "purpose-built device"

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- it is installed passively
- it introduces no delay or overhead

- A. IKE
- B. PIX
- C. HIPS
- D. NIDS
- E. HMAC

Answer: D

Question No: 8

Which three pieces of information should be documented for each step in a design implementation plan?
(Choose three.)

- A. step description
- B. design document references
- C. easy guidelines in case of failure
- D. estimated implementation time
- E. simile implementation guidelines
- F. estimated rollback time in case of failure

Answer: A,B,D

Question No: 9

A company is implementing an Identity Management solution with these characteristics:

- existing AAA Server
- Cisco Catalyst switches
- minimal added investments

Which Cisco Trust and Identity Management solution would you recommend?

- A. NAC Appliance

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- B. Cisco IBNS
- C. CSM
- D. Cisco Security MARS

Answer: B

Question No: 10

Which Cisco device management feature is most suited to metering network traffic and providing data for billing network usage?

- A. BGP
- B. Cisco Discovery Protocol
- C. QoS
- D. RMON
- E. NetFlow

Answer: E

Question No: 11

What are three valid methods of gathering information about an existing data network? (Choose three.)

- A. Use organizational input.
- B. Perform a traffic analysis.
- C. Analyze the user-mailing of a running application.
- D. Perform a packet-level audit to verify carrier service guarantees.
- E. Perform a network audit to gather more detail about the network.
- F. Use reports that analyze the metrics of the customer's existing network.

Answer: A,B,E

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Question No: 12

Which two routing protocols converge most quickly? (Choose two.)

- A. RIPv1
- B. RIPv2
- C. BGP
- D. OSPF
- E. EIGRP

Answer: D,E

Question No: 13

What is the benefit of VLSM?

- A. reduces configuration complexity by using the same subnet mask length
- B. reduces the routing table size by using automatic route summarization
- C. reduces the routing table size by using manual route summarization
- D. allows the subnet mask and classful routing updates to be advertised
- E. secures the hosts on a subnet by using RFC 1918 addresses

Answer: C

Question No: 14

You want to gather as much detail as possible during a network audit with a minimal impact on the network devices themselves.

Which tool would you use to include data time stamping across a large number of interfaces while being customized according to each interface?

- A. RMON
- B. SNMPv3
- C. NetFlow

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D. Cisco Discovery Protocol

Answer: C

Question No: 15

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 No: 16

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 No: 17

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.

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- 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 No: 18

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 No: 19

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

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Question No: 20

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-232
- F. Gigabit Ethernet 1000BASE-CX

Answer: A,D

Question No: 21

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 No: 22

OSPF will be used as the IGP within a campus network. Which two things should you consider before deployment? (Choose two.)

- A. All areas need to connect back to area 0.
- B. The OSPF process number on each router should match.
- C. NSSA areas should be used when an area cannot connect directly to area 0.

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- D. Stub areas should be connected together using virtual links.
- E. ECMP may cause undesired results depending on the environment.

Answer: A,E

Question No: 23

Which is the North American RIR for IPv4 addresses?

- A. RIPE
- B. ARIN
- C. IANA
- D. IEEE
- E. APNIC

Answer: B

Question No: 24

An enterprise campus module is typically made up of four submodules, as described by the Cisco Enterprise Architecture Model. Which two submodules are part of this module? (Choose two.)

- A. DMZ
- B. enterprise branch
- C. building distribution
- D. server farm/data center
- E. MAN

Answer: C,D

Question No: 25

WAN backup over the Internet is often used to provide primary connection redundancy. Which is the most important consideration when passing corporate traffic over the public Internet?