

Exam Questions 200-310

DESGN Designing for Cisco Internetwork Solutions

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NEW QUESTION 1

Which VPN tunneling technology supports IP multicast?

- A. IPsec direct encapsulation spoke-to-spoke
- B. IPsec direct encapsulation hub-to-spoke
- C. IPsec VTI
- D. Cisco Easy VPN

Answer: C

NEW QUESTION 2

Which two features are supported by single wireless controller deployments? (Choose two.)

- A. automatic detection and configuration of LWAPPs
- B. LWAPP support across multiple floors and buildings
- C. automatic detection and configuration of RF parameters
- D. Layer 2 and Layer 3 roaming
- E. controller redundancy
- F. mobility groups

Answer: AB

NEW QUESTION 3

Which option is a benefit of Cisco Discovery Protocol?

- A. provides information about directly connected Cisco devices
- B. provides greater detail about collected data, including time stamping
- C. combines with the network layer data that is gathered by NetFlow when using a NetFlow collector
- D. part of the IEEE 802.1ab standard

Answer: A

NEW QUESTION 4

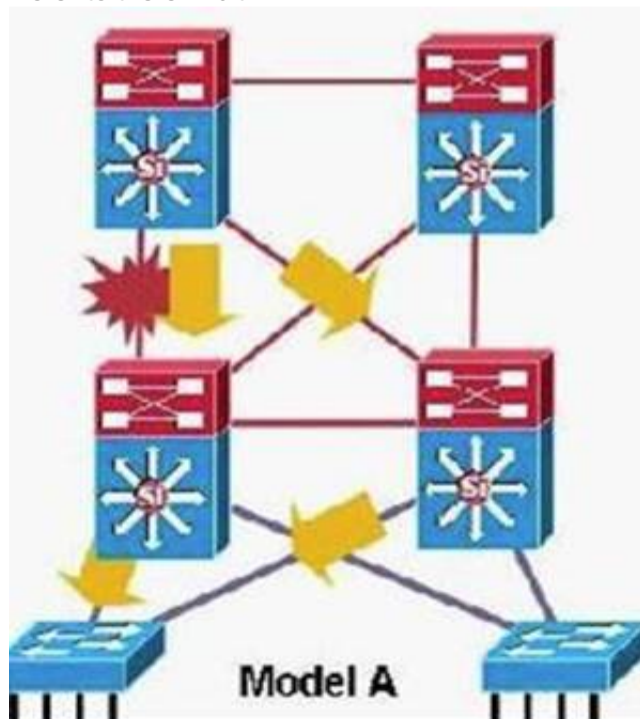
What two design best practices are key functions of the distribution layer? (Choose two.)

- A. address summarization
- B. fault domain isolation
- C. end user and application isolation
- D. admission control
- E. QoS tagging

Answer: AB

NEW QUESTION 5

Refer to the exhibit.



The organization is migrating away from FHRP. VSS has been implemented on a pair of Cisco Catalyst 6500 Series Switches. In order to avoid changes to end hosts, the default gateway is carried over to the SVI on the VSS. Why does the implementation plan require a four-hour wait after removing the FHRP configuration?

- A. The VLAN interface MAC address and the FHRP MAC address are different
- B. It takes four hours for the VLAN interface to come up.
- C. The SVI IP address and the FHRP IP address are different
- D. It takes four hours for the SVI to come up.
- E. The VLAN interface MAC address and the FHRP MAC address are different
- F. It takes four hours for the ARP cache to time out.
- G. The VLAN interface IP address and the FHRP IP address are different

- H. It takes four hours for the VLAN interface to come up.
- I. The VLAN interface IP address and the FHRP IP address are different.
- J. It takes four hours for the ARP cache to time out.

Answer: C

NEW QUESTION 6

How does the use of multiple areas in a link state routing protocol improve network scalability?

- A. reduces network bandwidth
- B. permits partial table updates
- C. enables route summarization
- D. overcomes router hop limit.

Answer: C

NEW QUESTION 7

Which protocol is used for voice bearer traffic?

- A. MGCP
- B. RTP
- C. SCCP
- D. CDP
- E. ICMP

Answer: B

NEW QUESTION 8

An engineer is designing a network that is divided into multiple areas and supports a mixed vendor routing environment. Which interior gateway protocol must be selected?

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

Answer: A

Explanation:

<https://www.cisco.com/c/en/us/products/collateral/switches/catalyst-6800-series-switches/guide-c07-733457.htm>

NEW QUESTION 9

Which command is correct for creating a virtual interface on a Cisco wireless controller?

- A. config create interface
- B. tag interface
- C. config interface address
- D. untag interface

Answer: C

NEW QUESTION 10

Which two processes are included in the Build phase of the Cisco Design Lifecycle? (Choose two)

- A. Assessment
- B. Analysis
- C. Design
- D. Validation
- E. Deployment

Answer: DE

NEW QUESTION 11

Which two considerations are important when designing the core layer? (Choose two)

- A. port security
- B. PoE
- C. Access list requirements
- D. low latency
- E. redundancy

Answer: DE

NEW QUESTION 12

A network architect working for a larger financial institution is designing a VPN solution that must include encryption. Which VPN type requirement?

- A. GETVPN (Group Encrypted Transport VPN)
- B. L2VPN
- C. MPLS VPN
- D. L3VPN

Answer: A

Explanation:

<https://supportforums.cisco.com/t5/vpn/l3vpn-and-ipsec/td-p/2557205> https://www.cisco.com/c/dam/en/us/products/collateral/security/group-encrypted-transport-vpn/prod_presentatio

NEW QUESTION 13

Why would an engineer implement variable-length subnet masks?

- A. to make a subnet its own VLAN.
- B. to expand an existing subnet .
- C. to make a subnet public.
- D. to prevent wasting IP addresses

Answer: B

NEW QUESTION 14

Drag the characteristic on the left to the correct campus design model on the right.

- uses VSS to provide redundancy
- uses FHRP for high availability
- route filtering is configured on interfaces toward the access layer
- inter-VLAN communications are routed in the distribution layer
- only one redundant connection between the access switch and the distribution switch can be active

Layer 2 Switching Campus Design

Layer 3 Switching Campus Design

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- uses VSS to provide redundancy
- uses FHRP for high availability
- route filtering is configured on interfaces toward the access layer
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Layer 2 Switching Campus Design

uses VSS to provide redundancy

inter-VLAN communications are routed in the distribution layer

only one redundant connection between the access switch and the distribution switch can be active

Layer 3 Switching Campus Design

uses FHRP for high availability

route filtering is configured on interfaces toward the access layer

NEW QUESTION 15

Which Layer in the Cisco Enterprise Architecture model is highly available, has fast convergence, and should avoid packet manipulation?

- A. Campus distribution
- B. enterprise data center
- C. enterprise edge
- D. campus access
- E. campus core
- F. remote access VPN

Answer: E

Explanation:

<http://www.ciscopress.com/articles/article.asp?p=1315434>

NEW QUESTION 16

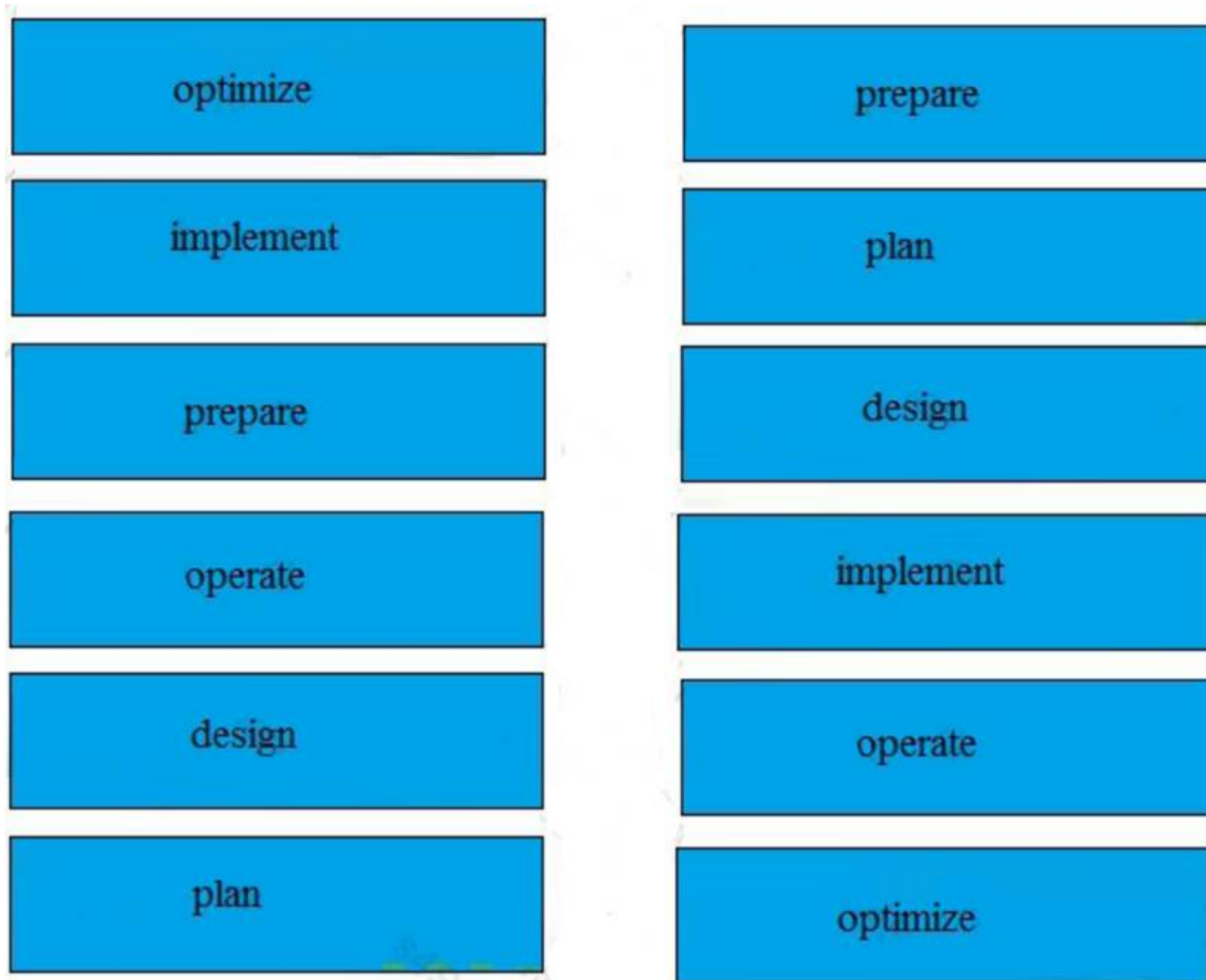
Drag and drop the phases of the lifecycle of a standard network from the left into the order in which they occur in the right.

optimize	phase 1
implement	phase 2
prepare	phase 3
operate	phase 4
design	phase 5
plan	phase 6

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 17

Which option is an advantage of the bottom-up design model?

- A. focuses on the needs of user communities
- B. includes a thorough analysis of customer requirements
- C. facilitates a quick response to client requests
- D. produces a "big-picture" of the desired outcome

Answer: C

NEW QUESTION 18

What is the benefit of using VLSM?

- A. To save a wasting of IP Address
- B. To expand a subnet

Answer: A

NEW QUESTION 19

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

NEW QUESTION 20

An engineer wants to find all of the objects of a certain type available in the MIT. Which kind of query must be performed?

- A. object-level
- B. tree-level
- C. class-level
- D. subtree-level

Answer: D

NEW QUESTION 21

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