

640-864^{Q&As}

Designing for Cisco Internetwork Solutions

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QUESTION 1

Which layer of the OSI model does Cisco recommend to place the enterprise network core layer, when designing a network based on its switched hierarchical design?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4

Correct Answer: C

QUESTION 2

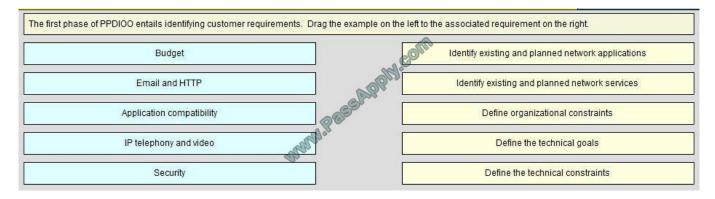
Which consideration is the most important for the network designer when considering IP routing?

- A. convergence
- B. scalability
- C. on-demand routing
- D. redistribution

Correct Answer: A

QUESTION 3

Select and Place:



Correct Answer:



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The first phase of PPDIOO entails identifying customer requirements. Drag the example on the left to the a	associated requirement on the right.
e continue	Email and HTTP
Webley.	IP telephony and video
O COS	Budget
and the state of t	Security
	Application compatibility

QUESTION 4

What IPv4 addressing technique allows for the division of addresses into subnets of different sizes?

- A. VLSM
- B. RIR
- C. CIDR
- D. NAT

Correct Answer: A

QUESTION 5

A company has dark fiber between headquarters and its data center. It is presently configured as a 10GbE connection. Network utilization shows high utilization on the connection. What technology can be implemented to increase capacity without acquiring another circuit?

- A. MPLS
- B. DWDM
- C. VPLS
- D. DMVPN

Correct Answer: B

QUESTION 6

Which one of these statements 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 such as firewalls or content switching devices.

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C. A mix of both Layer 2 and Layer 3 access is sometimes 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.

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QUESTION 7

Which three service categories are supported by an ISR? (Choose three.)

- A. voice
- B. security
- C. data
- D. Internet
- E. storage
- F. satellite

Correct Answer: ABC

QUESTION 8

What device virtualization technology allows for a single point of management and a centralized routing instance?

- A. ACE
- B. VSS
- C. VDC
- D. VM

Correct Answer: B

QUESTION 9

The enterprise campus core layer has requirements that are unique from the distribution and access layers. Which of the following is true about the core layer?

- A. The core layer provides convergence using Layer 2 and Layer 3 services and features.
- B. The core layer provides high availability to support the distribution layer connections to the enterprise edge.
- C. The campus core layer is optional.
- D. The core layer requires high performance to manage the traffic policing across the backbone.



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Correct Answer: B

QUESTION 10

What two performance considerations must be taken into account when designing a remote worker access solution? (Choose two.)

- A. simultaneous VPN connections
- B. port density
- C. throughput capacity
- D. packet size
- E. latency

Correct Answer: AC

QUESTION 11

Which Gigabit Ethernet media type provides the longest reach without a repeater?

- A. 1000Base-CX
- B. 1000Base-LX
- C. 1000Base-SX
- D. 1000Base-T

Correct Answer: B

QUESTION 12

At which layer of the network is route summarization recommended?

- A. data link layer
- B. core layer
- C. distribution layer
- D. access layer

Correct Answer: C

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