



642-355

Cisco Storage Networking Design Specialist (CSSDS)

Exam number/code: 642-355

Exam name: Cisco Storage Networking Design Specialist (CSSDS)

Questions & Answers: 322 Q&A

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Exam: 642-355 Certification Questions & Answers

Question 1:

What provides storage virtualization from IBM?

- A. Advanced Services Module (ASM)
- B. Caching Services Module (CSM)
- C. Storage Services Module (SSM)
- D. Cisco MDS 9000 32-port 1/2-Gbps FC Module
- E. IP Multiprotocol Services Module

Answer: B

Question 2:

What provides storage virtualization from IBM?

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- C. Storage Services Module (SSM)
- D. Cisco MDS 9000 32-port 1/2-Gbps FC Module
- E. IP Multiprotocol Services Module

Answer: B

Question 3:

Very large organizations has received its IPv6 address range from their Internet Service Provider and intend to only use IPv6 address internally. They will access the Internet through port address translation (PAT). What is required for their Domain Name Servers, DNS?

- A. They no longer need DNS servers
- B. Their DNS servers need to support both IPv4 and IPv6 addresses
- C. Their DNS servers need to support only IPv6 addresses
- D. Their DNS servers need to support only IPv4 addresses
- E. They need additional DNS servers in their network just for IPv6 addresses
- F. There are no changes required to their DNS servers

Answer: B

Question 4:

What are three array characteristics that are crucial when planning a SAN design? (Choose three)

- A. fan-in ratio
- B. connection speed
- C. embedded cache controller
- D. RAID level support
- E. active/passive controller

Answer: B,C,E

Question 5:

In a core-edge SAN implementation, which statement is true about oversubscription?

- A. When using full-rate mode ports, there is no oversubscription in a core-edge implementation.
- B. A core-edge design has manageable oversubscription, but at the cost of used ISL ports.
- C. Oversubscription in a core-edge design is implemented by using N_Ports.
- D. When using a core-edge design, there is only oversubscription when it is implemented in a heterogeneous environment.

Answer: B

Question 6:

A fully loaded Cisco MDS 9506 Multilayer Director requires 2190 watts of power. If 110-volt power is provided to the switch, at which power mode would the switch operate?

- A. The director would operate in redundant mode only.
- B. The director would operate in combined mode only.
- C. The director would operate in redundant mode or combined mode.
- D. The director cannot operate with 110-volt power.

Answer: B

Question 7:

Which Fibre Channel SAN topology maximizes performance and expandability?

- A. multi-point
- B. point-to-point
- C. arbitrated loop
- D. switched fabric
- E. star

Answer: D

Question 8:

A fully loaded Cisco MDS 9506 Multilayer Director requires 2190 watts of power. If 110-volt power is provided to the switch, at which power mode would the switch operate?

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- B. The director would operate in combined mode only.
- C. The director would operate in redundant mode or combined mode.
- D. The director cannot operate with 110-volt power.

Answer: B

Question 9:

By centralizing and consolidating backup functions in a SAN environment, what is the expected achievable subsystem capacity utilization?

- A. 15-45%
- B. 45-60%
- C. 50-70%
- D. 70-90%
- E. 90-100%

Answer: D

Question 10:

Which statement is true about LUN zoning in a heterogeneous environment?

- A. Hardware-enforced LUN zoning helps to ensure that LUNs are accessible by all hosts.
- B. Use LUN zoning instead of LUN masking to centralize management in mixed storage environments.
- C. LUN zoning requires no special configuration on storage arrays.
- D. LUN masking should be used in all situations.

Answer: B

Question 11:

TestKing.com has two data centers connected by dark fiber and also has a requirement for asynchronous data replication between the two data centers. If the data centers are 8 km apart, what is the most cost effective solution?

- A. CWDM
- B. DWDM
- C. Native FC
- D. VSAN

Answer: A

Question 12:

Which technology should be used to provide transparent low latency FC transport across a metropolitan area?

- A. DWDM
- B. FCIP
- C. iSCSI
- D. iFCP

Answer: A

Question 13:

A customer is designing a storage network infrastructure to support a database application. Each server will have two 1-Gbps host bus adapters, one connected to each of the two physical fabrics. The disk array has two 2-Gbps Fibre Channel interfaces. Each server will need to drive 20 MBps (encoded) of throughput continuously per host bus adapter, and the multipathing software on each server is not configured for load balancing. What is the maximum number of servers that can be connected to this disk array while satisfying the performance requirement?

- A. 8

- B. 10
- C. 12
- D. 14

Answer: B

Question 14:

Select three characteristics of the Cisco Coarse wave division multiplexing (CWDM) solution. (Choose three.)

- A. Supports a maximum connection length of 220kilometers
- B. Can be optically amplified to extend the distance characteristics
- C. RequiresOADM's (Optical add/drop multiplexers) to aggregate multiple wavelengths across the same fiber pair
- D. Multiplexes up to eight wavelengths across a singlefiber pair
- E. Supports both linear and ring topologies

Answer: C,D,E

Question 15:

Exhibit:



Refer to the exhibit. A customer has deployed two Cisco MDS 9509 Multilayer Directors. One MDS 9509 is deployed in each of two separate data centers. The primary data center is always active, and the secondary data center is considered a standby site. The data centers are connected together by an unreliable Gigabit Ethernet connection that is shared by many departments. A replication application is using Fibre Channel over IP (FCIP) as its transport mechanism over the Gigabit Ethernet circuit. The administrator is concerned about network stability in the production fabric and the impact of a Gigabit Ethernet circuit outage on the production fabric. The administrator is deploying Inter-VSAN Routing to isolate the production fabric from the standby data center fabric, and only has one license. Where should the administrator install and configure Inter-VSAN Routing?

- A. Switch A
- B. Switch B
- C. The administrator should not install and configure Inter-VSAN Routing.
- D. Switch A and Switch B

Answer: A

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