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Exam : **E20-001**

Title : Storage Technology
Foundations

Version : DEMO

1. What are five core elements of a data center infrastructure?

- A. Applications, Databases, JBOD, Networks, and Storage Arrays
- B. Applications, Databases, Servers/Operating Systems, DAS, and NAS
- C. Applications, Databases, Servers/Operating Systems, Networks, and Storage Arrays
- D. Applications, Databases, Servers/Operating Systems, SAN, and JBOD

Answer: B

2. In an EMC Symmetrix array, what is the component that provides physical connectivity to hosts?

- A. Back-end adapter
- B. Cache
- C. Front-end adapter
- D. Storage processor

Answer: A

3. Why would an iSCSI solution be implemented?

- A. All storage arrays supply GigE ports
- B. Block storage over IP is much faster than FC
- C. iSCSI HBAs are inexpensive
- D. Leverages existing IP network infrastructure

Answer: B

4. What is the correct order of operations for array-based synchronous replication?

- A: Write is received by the source array from the host/server
- B: Remote array sends acknowledgement to the source array
- C: Source array signals write complete to the host/server
- D: Write is transmitted by the source array to the remote array

- A. A, B, C, D
- B. A, D, B, C
- C. C, D, B, A
- D. D, C, B, A

Answer: A

5. Which management task eliminates single points of failure in a data center?

- A. Availability
- B. Capacity
- C. Performance
- D. Security

Answer: B

6. What is a server capacity management task?

- A. Establishing user quotas
- B. Installing multi-path software
- C. Maintaining user logins
- D. Monitoring faults and events

Answer: C

7. A LUN is created from three disks using one partition from each of the disks. When this LUN is presented to the host, how does the host view the LUN?

- A. As three separate partitions
- B. As a striped partition
- C. As a concatenated partition
- D. As a single disk

Answer: C

8. What is the failure that RAID technology guards against?

- A. Disk failure
- B. Host Bus Adapter failures
- C. Host failures
- D. Switch failure

Answer: C

9. What is the name of the drive sub-assembly which contains the platters and read/write heads?

- A. ATA
- B. SATA
- C. HDA
- D. IDE

Answer: B

10. In an intelligent disk system, what is the role of the back-end?

- A. To communicate between Tag RAM and data store
- B. To communicate between a host and the storage system
- C. To move data between a host and the array cache
- D. To move data between an array cache and the disks

Answer: C

11. Which EMC product family allows for the configuration and management of Fibre Channel switched fabrics?

- A. Celerra
- B. Centera
- C. CLARiiON
- D. Connectrix

Answer: A

12. Which storage device requires the least data access time?

- A. Tape
- B. Optical Disk
- C. Hard Disk
- D. Jukebox

Answer: C

13. Which three important data center management activities are interdependent?

- A. Accessibility, Scalability, , and Security
- B. Configuration, Integrity, and Scalability
- C. Integrity, Manageability, and Security
- D. Provisioning, Monitoring, and Reporting

Answer: D

14. Which data center infrastructure component issues read/write commands to the array?

- A. LAN
- B. Server
- C. SAN
- D. Database

Answer: B

15. Which data center element organizes customer and product information?

- A. Application
- B. DBMS
- C. Server
- D. Storage array

Answer: B

16. What is host memory?

- A. Control point for all host activities and resources
- B. High speed interconnect between CPU and memory
- C. Temporary location for commands and data
- D. Transmission holding device for parallel communication

Answer: C

17. What is the function of a bus?

- A. Control point for all host activities and resources
- B. Interconnect between CPU, memory, and disks

- C. Device for storing data
- D. Temporary location for commands and data

Answer: B

18. Which term refers to a logical component of a host environment?

- A. CPU
- B. Bus
- C. Memory
- D. Application

Answer: D

19. What is a logical component of a storage environment?

- A. Bus
- B. Disk
- C. File system
- D. Memory

Answer: C

20. Which event is known as a head crash?

- A. A read head and a write head touched each other
- B. A read/write head has touched the disk data area
- C. A read/write head has touched the landing zone
- D. Two read/write heads have touched each other

Answer: B