

**Exam : EMC E20-001**

**Title : EMC Storage Technology  
Foundations**

**Version : Demo**

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1. What is the role of a bus?

- A. Control point for all host activities and resources
- B. Device for storing data
- C. High speed interconnect between CPU, memory, and disks
- D. Temporary location for commands and data

**Answer: C**

2. Which statement accurately describes parity-based RAID?

- A. Parity is read each time a read is performed
- B. Parity is updated only when a full stripe is read
- C. Parity is updated each time a write is performed
- D. Parity is updated only when writes fill a stripe

**Answer: C**

3. Which EMC Celerra component allows management of volumes and filesystems?

- A. Control Station
- B. Data Mover
- C. Disk Array Enclosure
- D. Storage Processor

**Answer: A**

4. Many FCAL nodes are attempting to simultaneously send I/O to a storage array. How is control of the loop determined?

- A. Hub bypass circuit
- B. Hub name service
- C. Node that owns the token
- D. Node with the highest priority

**Answer: D**

5. Which statement describes the iSCSI protocol?

- A. ATA over SCSI
- B. IP over SCSI
- C. SCSI over ATA
- D. SCSI over IP

**Answer: D**

6. Which statement describes Content Address (CA)?

- A. A set of functions that enable communication between applications
- B. An identifier that uniquely addresses the content of a file and its location
- C. An identifier that uniquely addresses the content of a file and not its location
- D. An identifier that uniquely addresses the content, quality, condition and other characteristics of data

**Answer: C**

7. Which local replication technology does EMC TimeFinder/Mirror implement?

- A. Copy on First Access
- B. Copy on First Write
- C. Full Volume Mirroring
- D. Pointer based

**Answer: C**

8. What is a remote replication solution for EMC CLARiiON storage systems?

- A. EMC MirrorView/A
- B. EMC SnapView
- C. EMC SRDF/AR
- D. EMC TimeFinder

**Answer: A**

9. What is monitored as part of a SAN health check?

- A. Disk status
- B. Fan-in/Fan-out ratio

- C. ISL utilization
- D. Port status change

**Answer: D**

10. Which two mechanisms can be used to address threats of user privilege elevation?

- A. Access Control Lists (ACLs) and access control to storage objects
- B. Access control to storage objects and storage access monitoring
- C. User authentication and Information Rights Management (IRM)
- D. User authentication and user authorization

**Answer: D**

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

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

**Answer: B**

12. In an EMC Symmetrix array, which component provides physical connectivity to hosts?

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

**Answer: A**

13. Why would you implement an iSCSI solution?

- 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**

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

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

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

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

**Answer: B**

16. 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**

17. 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 this LUN?

- A. As three separate partitions

- B. As a striped partition
- C. As a concatenated partition
- D. As a single disk

**Answer: C**

18. Which failure does RAID technology guard against?

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

**Answer: C**

19. What is the name of the drive sub-assembly containing the platters and read/write heads?

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

**Answer: B**

20. What is the role of the back-end in an intelligent disk system?

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

**Answer: C**

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