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**Exam** : **E20-001**

**Title** : Storage Technology  
Foundations

**Version** : DEMO

1.What three data center management functions are interdependent?

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

**Answer: A**

2.Which data center core element is used to organize customer information and to optimize the storage and retrieval of data?

- A.DBMS
- B.Operating System
- C.Server
- D.Storage array

**Answer: A**

3.Which data center core element is used to organize customer information and to optimize the storage and retrieval of data?

- A.Operating System
- B.Server
- C.Storage array
- D.DBMS

**Answer: D**

4.Which disk drive component is responsible for positioning the R/W heads?

- A.R/W interface
- B.Actuator arm assembly
- C.R/W head controller
- D.Radial arm assembly

**Answer: B**

5.What does a Domain ID identify?

- A.A switch within a fabric
- B.A management server within a fabric
- C.A storage array within a fabric
- D.A primary server within a fabric

**Answer: A**

6.What describes the choice of cylinders used for disk partitioning?

- A.Cylinders must be non-contiguous and must be from different zones
- B.Cylinders must be non-contiguous and must be from same zone
- C.Cylinders must be contiguous and must be from different zones
- D.Cylinders must be contiguous and may be in the same zone

**Answer: D**

7.How do you define the sustained internal transfer rate of disk drives?

- A.It is the advertised speed of the interface
- B.It is the speed at which data moves from platter to read/write head
- C.It is the speed at which data moves from read/write head to platter
- D.It is the speed at which data moves from a track to internal buffer

**Answer: D**

8.In a ten-disk RAID 5 set, each disk has a Mean Time Between Failure (MTBF) of 100,000 hours. What is the MTBF of the set?

- A.10,000 hours
- B.10 hours
- C.1,000 hours
- D.1,000,000 hours

**Answer: A**

9.What is a key benefit of RAID 5 compared to RAID 1+0?

- A.Improved storage space utilization
- B.Improved write performance
- C.Higher availability
- D.Quicker rebuild times after failure

**Answer: A**

10.What is the write penalty in RAID 5?

- A.1
- B.2
- C.4
- D.6

**Answer: C**

11Which RAID type would you recommend for a business critical application with large sequential reads?

- A.RAID 0
- B.RAID 3
- C.RAID 5
- D.RAID 1

**Answer: B**

12.Which cache algorithm will optimize a storage array's I/O response time if sequential access is detected?

- A.Read Ahead
- B.Flushing
- C.Write-through
- D.Write-back

**Answer: A**

13.What is true about cache dirty page?

- A.Data read from disk but not accessed by the host
- B.Data that has changed and has been written to disk
- C.Data requested by host but not yet fetched
- D.Data that has changed but is not yet written to disk

**Answer: D**

14.Which element handles physical disk I/O operations in an EMC Symmetrix array?

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

**Answer: D**

15.What process minimizes the exposure to loss of uncommitted cached data when there is a power failure?

- A.Cache vaulting
- B.Write-through
- C.Write-back
- D.Watermarking

**Answer: A**

16.Which SCSI ID has the highest priority?

- A.7
- B.8
- C.15
- D.16

**Answer: A**

17.Which statement best applies to a Fibre Channel SAN?

- A.Dedicated storage network
- B.Multi-protocol storage network
- C.Global interconnectivity network
- D.Multi-purpose client-server network

**Answer: A**

18.In the diagram, which zone(s) represent hard zoning?

- A.Zone 1
- B.Zone 3
- C.Zone 2
- D.Zone 1 and 3

**Answer: C**

19.How many Domain IDs are reserved in fibre channel address space?

A.256

B.239

C.17

D.16

**Answer: C**

20.In a Fibre Channel network, what request is sent between two N\_ports to establish a session?

A.PLOGI

B.FLOGI

C.PRLI

D.NLOGI

**Answer: A**