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1. What is the purpose of a hot spare in a RAID array?

A) To increase the performance of the RAID array

B) To reduce the overall power consumption of the RAID array

C) To automatically replace a failed drive and maintain data continuity

D) To expand the storage capacity of the RAID array

Correct Answer: C

2. Which of the following is NOT a function of a BIOS (Basic Input/Output System)?

A) Hardware detection and initialization

B) OS boot

C) Advanced power management

D) Application software execution

Correct Answer: D

3. What is the primary purpose of a Storage Area Network (SAN)?

A) To connect printers and scanners to servers

B) To provide internet access to servers

C) To connect network storage devices to servers for high-performance data storage

D) To establish secure VPN connections between servers

Correct Answer: C

4. What is the primary purpose of the Intelligent Platform Management Interface (IPMI)?

A) To define communication protocols for mobile devices

B) To provide open and standard hardware management interface specifications

C) To establish secure email communications between servers

D) To control software installations on servers

Correct Answer: B

5. What term describes the process of restoring data from a faulty data drive to a hot spare drive in a RAID array?

A) Data mirroring

B) Data migration

C) Data recovery

D) Data reconstruction

Correct Answer: D

6. What is the definition of a server?

A. A server is a type of computer. It runs faster, carries more loads, and costs more than

ordinary computers.

B. A server provides services to users.

C. A server is a mainstream computing product developed in 1990s.

D. All of the above

Correct Answer: D

7. A RAID controller card has a processor inside but cannot control the RAID storage

subsystem independently from the host.

A. True

B. False

Correct Answer: B

8. This is a set of open and standard hardware management interface specifications that defines specific methods for communication between embedded management subsystems.

A. FCoE

B. IPMI

C. PSU

D. CFIS

Correct Answer: B

9. Is a type of storage that connects to a group of computers through a standard network

A. Direct Attached Storage

B. Serial Attached SCSI

C. Network Attached Storage

D. Fiber Channel

Correct Answer: C

10. This type of storage provides file-based, client-side access over the TCP/IP protocol.

A. Block Storage

B. File Storage

C. Object Storage

D. None of the Above

Correct Answer: B

11. This address is used to test the software of a system.

A. Link to local address

B. Any address

C. Loopback address

D. Limited broadcast address

Correct Answer: B

12. It provides a connectionless and unreliable service.

A. DNS

B. IP

C. TCP

D. HTTP

Correct Answer: B

13. It implements the network interconnection above the network layer.

A. Router

B. FC Switches

C. PC

B. Network

Correct Answer: A

14. Nat is used to translate public IP address into private IP address.

A. True

B. False

Correct Answer: B

15. In which of the following scenarios, the core instructions issued by the operating system can be directly sent to the underlying hardware?

A. CPU full virtualization scenario

B. CPU Paravirtualization scenario

C. Non-virtualized Scenario

D. Hardware Assisted Virtualization Scenario

Correct answer: C