

# SK0-002

## CompTIA Server+ (2005)

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**Question: 1**

The performance of a RAID 5 dual processor database server is degrading over time. Symptoms include excessive disk access, high memory utilization, and slow responses to database searches. Which action should be taken to reduce the server's bottleneck

- A. add more RAM
- B. implement RAID 1
- C. upgrade the CPUs
- D. add additional CPUs
- E. increase the swap file size

**Answer: A**

**Question: 2**

A consulting firm is hired by Company.com in an earthquake-prone area to review their disaster plan. Review of the disaster recovery plan reveals the following:

1. Offsite backup storage is in a locked fireproof safe, with restricted key access. All tape backups are stored in this safe.
2. There is a reciprocal agreement with a sister company located two blocks from Company.com's location to store each other's backup safes. Plans are in place to allow 24-hour access to backups.
3. The selected hot site is 100 miles from the normal business site.
4. AGFS (Grandfather-Father-Son) tape rotation plan is in use.

What changes should be made to the plan?

- A. make no changes
- B. change tape rotation systems
- C. send tape backups to a more remote facility
- D. move the hot site closer to the normal business site.

**Answer: C**

**Question: 3**

A new switch has recently been installed on the Network. The SNMP (Simple Network Management Protocol) manager has not seen any information from the device. Which are two possible causes of this problem? Select two.

- A. The MIB (Management Information Base) needs to be installed.
- B. SNMP (Simple Network Management Protocol) community needs to be configured
- C. The SNMP (Simple Network Management) manger needs to be configured.
- D. Firmware on the device needs to be updated.

**Answer: A, B**

**Question: 4**

A biometric access device is used with which security method?

- A. qualification
- B. authorization
- C. accountability
- D. authentication

**Answer: D**

**Question: 5**

Which of the following is the maximum cable length for Ultra 160?

- A. 1.5 meters
- B. 3 meters
- C. 6 meters
- D. 12 meters
- E. 25 meters

**Answer: D**

**Explanation:**

Maximum cable lengths for an LVD bus

| LVD Mode  | Bus Speed (MHz) | Maximum Cable Length (m) | Bus Width | Transfer Rate (MB/s) | Maximum Devices per Bus |
|-----------|-----------------|--------------------------|-----------|----------------------|-------------------------|
| Ultra-2   | 40              | 12                       | Wide      | 80                   | 16                      |
| Ultra-50  | 40              | 12                       | Wide      | 160                  | 16                      |
| Ultra-320 | 80              | 12                       | Wide      | 320                  | 16                      |

**Question: 6**

A server was recently installed with all necessary hardware and software. Before placing the server into service, a(n) \_\_\_\_\_ should be created.

- A. application backup
- B. System Monitor log
- C. performance baseline
- D. Performance Monitor log

**Answer: C**

**Question: 7**

Additional memory is being added on a server. Which two precautions should be taken to ensure the memory is NOT damaged by ESD (electrostatic discharge) during the installation process? Select two.

- A. wear an antistatic wrist strap
- B. wear shoes with rubber soles
- C. ensure the server is connected to a UPS (Uninterruptible Power Supply)
- D. ensure the server is grounded before commencing
- E. ensure the server is connected to a surge protector

**Answer: A, D**

**Question: 8**

The RAM in a server needs to be upgraded. The requirement is to use memory that is capable of operating at 1200 MHz and can transfer data up to 10.7 GB/sec. Which type of RAM should be installed on the server?

- A. DRAM
- B. RDRAM
- C. DDR SDRAM
- D. BDDR SDRAM

**Answer: B**

**Explanation:**

The RDRAM device is a general purpose high performance memory device suitable for use in a broad range of applications including computer memory, graphics, video, and any other application where high bandwidth and low latency are required. The 256/288 Mb RDRAM devices are extremely high speed CMOS DRAMs organized as 16M words by 16 or 18 bits. The use of Rambus Signaling Level (RSL) technology permits 600MHz to 1200 MHz transfer rates while using conventional system and board design technologies. The 256/288 Mb RDRAM devices are offered in a CSP horizontal package suitable for desktop as well as a low profile add-in card and mobile applications.

**Question: 9**

An external Ultra2 RAID storage unit is to be installed during the setup of a new site. Which three actions will likely cause a problem when the external RAID storage unit is installed? Select three.

- A. using passive termination on the enclosure
- B. using a SCSI cable between one and five meters in length
- C. connecting the subsystem to the server while it is powered up
- D. powering off the RAID subsystem when the server is turned on

**Answer: A, C, D**

**Question: 10**

A series of replacement servers are installed on a network. SNMP monitoring server had previously been able to retrieve the statistics from the servers, but is not able to retrieve statistics from the new servers. Which statement is true?

- A. The DMI (Desktop Management interface) agents need to be loaded on the servers.
- B. The latest service packs are needed from the SNMP monitoring server.
- C. An upgrade to SNMP Version 3.0 on the SNMP monitoring server is needed.
- D. SNMP community strings need to match between the servers and the SNMP monitoring server.

**Answer: D**

**Question: 11**

A server has twelve 72 GB drives configured in a RAID 5 array, with one drive as a hot spare. It experiences a failure of one of the drives in the array. Which action should be taken?

- A. replace the failed drive and rebuild the array.
- B. replace the failed drive and restore parity data from backup.
- C. swap the failed drive with the hot spare and rebuild the array
- D. ensure the array has completed rebuilding, then replace the failed drive

**Answer: D**

**Question: 12**

A UPS is being selected for a remote office. The correct size UPS needs to be determined. Which formula should be used to determine the load requirements?

- A. VA = Volts x Amperes
- B. KVA = Volts x Amperes
- C. Watts = Current x Voltage

D. VA = KW x 1000 x Amperes

**Answer: A**

**Question: 13**

A server recently had a RAID controller replaced under warranty by the manufacturer. Since the repair, the system seems to be generating several write errors, and sometimes does not boot into the operating system. Which of the following is the MOST effective solution to apply FIRST?

- A. replace the RAID controller, as it is damaged
- B. replace the system board, as it is damaged
- C. replace the device drivers, as they are incorrect.
- D. replace the RAID configuration, as it is incorrect.

**Answer: C**

**Question: 14**

An engineer installs an SMP (Symmetrical Multi-Processing)-compliant network operating system on a dual-processor server. The BIOS detects two processors, but only one processor is recognized by the network operating system. Which action should the engineer take to enable the SECOND processor?

- A. update the BIOS to the current version
- B. apply the latest network operating system patches
- C. update the stepping level on the second processor
- D. configure the network operating system kernel for SMP (Symmetrical Multi-Processing) support

**Answer: D**

**Question: 15**

Users report that the intranet database is slow to respond during peak use times. The database server is on a small 150-user network and is configured with dual processors, 512 MB RAM, and a hardware-controlled RAID 5 array with three drives. The server also provides DNS and DHCP services for the intranet. Which three are ways to improve server performance? Select three.

- A. set processor affinity
- B. add a hard drive to the RAID 5 array
- C. move the DNS and DHCP services to another server
- D. move the page file to another partition on the RAID 5 array

**Answer: A, B, C**

**Question: 16**

During a new server installation, which of the following is the MOST common setup problem?

- A. incompatible memory
- B. access to power and network connections
- C. flashing the BIOS
- D. operating system HCL (Hardware Compatibility List)

**Answer: D**

**Question: 17**

Which two can be used to connect Fibre Channel devices? Select two.

- A. fibre hub
- B. loop switch
- C. GBIC (Gigabit Interface Converter) module
- D. Layer 3 switch

**Answer: A, B**

**Question: 18**

Which two statements are true about software-based RAID? Select two.

- A. CPU load is increased when using software-based RAID.
- B. Intervention is not required to recover fully from a drive failure.
- C. Hot-plug and hot-spare features are available with software-based RAID.
- D. Hard disk make and model do not have to be the same when using with software-based RAID.

**Answer: A, D**

**Question: 19**

Company.com, a small print service company, is backing up mission critical data and wants to implement a disaster recovery plan. The network administrator is tasked with developing the disaster recovery plan. Which step should be taken FIRST when developing the plan?

- A. practice the disaster recovery drifts
- B. create a step-by-step restoration plan
- C. determine the enterprise configuration
- D. explore disaster prevention techniques

**Answer: C**

**Question: 20**

Which of the following can be used to collect trends and performance data?

- A. SNMP (Simple Network Management Protocol) Traps
- B. MIB (Management Information Base) browsing
- C. DMI (Desktop Management Interface) requesting
- D. regular SNMP (Simple Network Management Protocol) polling

**Answer: D**

**Question: 21**

Which two should be included in server baseline documentation? Select two.

- A. disaster recovery plan
- B. disk performance statistics
- C. server response time study
- D. warranty status of the server
- E. emergency technical support numbers

**Answer: B, C**

**Question: 22**

A system administrator wants to remotely administer a server using a Web browser-based application so he can administer remotely from any operating system. He wants to ensure that

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