



Exam : 000-382

**Title : IBM Open Systems Storage
Solutions, Version 2**

Ver : 12.18.08

QUESTION 1:

A customer named Certkiller .com requires a tape subsystem that will be used to frequently back up a 300 GB database containing critical data. The customer will keep multiple copies of the data. They would also like to purchase the most reliable tape solution and minimize the number of tape cartridges. Which of the following products should be recommended?

- A. IBM 4mm Tape Autoloader
- B. IBM 8mm Tape Library
- C. IBM DLT Tape Library
- D. IBM LTO Tape Library

Answer: D

QUESTION 2:

A customer named Certkiller .com has two IBM TotalStorage EnterpriseServers (ESS) using PPRC. During testing, the customer connects the two units with 30-meter ESCON cables. The second IBM ESS is later moved 60 kilometers away. In order to continue using PPRC, what additional components are needed?

- A. ESCON over dark fibre cable with repeaters
- B. FICON over dark fibre cable with repeaters
- C. SSA optical extenders with dark fibres
- D. Fibre Channel over IP

Answer: A

QUESTION 3:

A customer named Certkiller .com's current environment consists of a mail server running on an IBM @Server node cluster. When evaluating the expansion of the storage subsystem, which of the following is the most significant consideration?

- A. Record size
- B. Logical volume partitioning
- C. Data security
- D. Number of users

Answer: D

QUESTION 4:

A customer named Certkiller .com is running an SAP R/3 application using Oracle Parallel Server as the database manager on a IBM @Server pSeries server. The customer would like two servers to

share the same Oracle database. Which of the following IBM storage products would NOT be recommended to meet the customer's requirement?

- A. IBM TotalStorage NAS 300G
- B. IBM TotalStorage EXP Plus (2104)
- C. IBM TotalStorage Serial Disk System (7133)
- D. IBM TotalStorage Enterprise Storage Server (2105)

Answer: A

QUESTION 5:

A customer named Certkiller .com has the following:

- a small IBM mainframe
- six Sun servers
- two IBM @Server pSeries servers
- two HP-UX servers

The customer plans to complete migration of mainframe applications to the pSeries servers within the next six months. The customer has an immediate requirement for an additional 2 TB of usable disk space for the pSeries servers. IBM, HP, Dell and Sun have been invited to bid on this opportunity. The IBM proposal should lead with which disk product?

- A. IBM TotalStorage Enterprise Storage Server
- B. IBM TotalStorage Serial Disk System
- C. IBM TotalStorage FAStT Storage Server
- D. IBM TotalStorage NAS

Answer: C

QUESTION 6:

A customer named Certkiller .com mentions that they are evaluating Advanced Intelligent Tape (AIT) for their mid-range environment. Which of the following best describes AIT?

- A. 8mm technology
- B. Linear recording technology
- C. IBM TotalStorage 3590 compatible tape technology
- D. Fibre attach only tape technology

Answer: A

QUESTION 7:

A customer named Certkiller .com has a requirement to implement a centralized disk storage solution to support three IBM @Server iSeries servers running V5.1 of OS/400, and 20 Intel servers supporting a mixture of Novell 6 and MS Windows 2000. Which of the following disk storage

solutions should a storage specialist recommend to support this environment?

- A. IBM TotalStorage FAStT900 Storage Server
- B. IBM TotalStorage Enterprise Storage Server
- C. IBM TotalStorage Serial Disk System
- D. IBM TotalStorage EXP Plus

Answer: B

QUESTION 8:

A customer named Certkiller .com owns a 150 GB useable RAID 5 SCSI disk subsystem attached to a single host and wants to increase data throughput, reliability, high availability, and serviceability. Cost is a significant consideration. Which of the following is most likely to satisfy all of these requirements?

- A. Convert the RAID 5 subsystem to a RAID 1 subsystem.
- B. Convert the existing subsystem to JBOD with additional disk drives.
- C. Replace the existing subsystem with an IBM TotalStorage FAStT disk subsystem.
- D. Replace the existing subsystem with an IBM TotalStorage Enterprise Storage Server.

Answer: C

QUESTION 9:

A large customer environment consists of 16 Intel based servers, supporting its mail. The servers have exceeded their disk storage capacity and the customer would like to centralize disk storage. Which of the following solutions should be recommended?

- A. Implement IBM Tivoli Storage Manager for Mail.
- B. Replace current disk drives with larger capacity ones.
- C. Design an IBM TotalStorage FAStT Storage Server solution.
- D. Install IBM TotalStorage Network Attached Storage (NAS).

Answer: C

QUESTION 10:

A distributor is planning to open five locations, with each location requiring a local nightly backup of 250 GB of data from a Sun server. The distributor expresses that performance is the biggest concern. Which of the following is the best solution?

- A. DLT 8000
- B. SDLT
- C. LTO
- D. Magstar

Answer: C

QUESTION 11:

Exhibit.***MISSING***

It is recommended that an IBM Tivoli Storage Manager disk pool of storage be used for daily backups. Assuming a 10% change rate, how much disk space needs to be added to the IBM Tivoli Storage Manager server?

- A. 20 GB
- B. 50 GB
- C. 150 GB
- D. 450 GB

Answer: B

QUESTION 12:

After a long competitive sales cycle, the customer has decided to implement their first centralized storage solution on the IBM TotalStorage FAStT 900 Storage Server. To help ensure a successful installation, which of the following should be proposed as part of the solution?

- A. 3-Year Warranty Service Upgrade
- B. IBM Software Subscription Service
- C. Business Continuance Services
- D. Planning and Implementation Services

Answer: D

QUESTION 13:

A customer named Certkiller .com is considering purchasing an IBM TotalStorage FAStT900 Storage Server to accommodate future growth for a critical application. The customer is questioning how they will administer the storage system. Which of the following options can be used for installation and administration of the storage system?

- I. Inband FC
- II. TCP/IP
- III. Serial port
- IV. USB port
- V. Infrared

- A. I, II, IV
- B. I, II, III
- C. II, III, V
- D. III, IV, V

Answer: B

QUESTION 14:

Assessing adequate customer skills for implementation of a new disk subsystem would include which of the following steps?

- I. Gathering list of the serves and operating systems they support
- II. Determining the number of employees in the IT department
- III. Identify the total storage currently in use
- IV. Evaluating the on site technical support capability

- A. I and III
- B. I and IV
- C. II and III
- D. II and IV

Answer: B

QUESTION 15:

A Small and Medium Business (SMB) customer has a Microsoft Windows network that connects their users via Ethernet. They need additional storage in a shared environment. Which kind of product would a storage specialist recommend?

- A. IBM TotalStorage EXP Plus
- B. IBM TotalStorage 200i
- C. IBM TotalStorage FAStT Storage Server
- D. IBM TotalStorage NAS

Answer: D

QUESTION 16:

Which of the following phrases best describes the IBM Tivoli Storage Resource Manager (ITSRM) to a non-technical person?

- A. ITSRM automates data backup and restore functions.
- B. ITSRM helps SAN-connected client computers make maximum use their direct network connection storage.
- C. ITSRM delivers enterprise monitoring, reporting and policy-based automation to help improve storage utilization.
- D. ITSRM fuses easy administration and heterogeneous, cross-platform sharing of NAS with the high bandwidth of SAN.

Answer: C

QUESTION 17:

A customer named Certkiller .com is interested in updating their infrastructure to provide data replication capabilities between their corporate offices and a sales office 900 km away. They currently have both Unix and Windows NT servers sharing storage resources. Some applications are very response time-sensitive. Which of the following replication solutions is best for this customer?

- A. IBM TotalStorage NAS Gateway 300 using NSI Doubletake
- B. IBM TotalStorage FAStT900 Storage Server with remote copy
- C. IBM TotalStorage Enterprise Storage Server with PPRC-XD
- D. IBM TotalStorage Enterprise Storage Server with XRC

Answer: C

QUESTION 18:

What is the maximum number of short wave ports that can be installed on a 2062.D-01 Cisco MDS 9216 Multilayer Fabric Switch?

- A. 16
- B. 32
- C. 48
- D. 64

Answer: C

QUESTION 19:

A customer named Certkiller .com has reviewed storage specialist's proposal for a centralized disk solution supporting Sun, HP, Intel, IBM @Server pSeries servers. The customer's feedback indicates that the solution exceeds their budget. They also indicate that they have signed an agreement outsourcing their iSeries applications. Which of the following is the most appropriate change to the proposal?

- A. Reduce the amount of the disk configured in the subsystem.
- B. Reduce the amount of disk configured in the subsystem and reduce the SAN port count.
- C. Reduce the amount of disk configured, change the subsystem to a NAS solution and eliminate the SAN.
- D. Reduce the amount of disk configured, change the subsystem to IBM TotalStorage FAStT and reduce the SAN port count.

Answer: D

QUESTION 20:

Two Windows 2000 servers are to be located 10 kilometers from the IBM FASTT900 HA Storage Server. The customer would like to have two Fibre Channel adapters in each Windows 2000 server. How many IBM Fibre Channel switches would be required for high availability?

- A. 0
- B. 1
- C. 2
- D. 4

Answer: D

QUESTION 21:

A storage administrator running an IBM @Server p Series server wants to attach an IBM TotalStorage Enterprise Storage Server (2105) and needs to know if the pSeries Fibre Channel adapter card is at the latest firmware level. Which of the following is the fastest way for the administrator to determine the latest supported microcode level.

- A. Call TechLine
- B. Access IBM Storage Website
- C. Contact IBM Storage Specialist
- D. Read TotalStorage Enterprise Storage Server Redbook

Answer: B

QUESTION 22:

A customer named Certkiller .com has an I/O intensive, cache unfriendly application. Which of the following would affect performance the most?

- A. Amount of cache in disk subsystem
- B. Amount of memory in server
- C. Total number of disk drives
- D. Total quantity of write cache

Answer: C

QUESTION 23:

Which of the following attachment cards is used to connect an IBM TotalStorage EnterpriseTape Drive (3590)to an IBM @Server pSeries server?

- A. SSA Adapter
- B. Ultra3 SCSI RAID Adapter

- C. Ultra SCSI Differential Adapter
- D. Ultra SCSI Single-ended Adapter

Answer: C

QUESTION 24:

EMC, Sun and IBM all claim that they offer the highest performing disk solution. What is the most convincing way for the IBM Storage Specialist to prove the claim?

- A. Review latest Gartner Magic Quadrant report.
- B. Call CompeteLine for competitive data.
- C. Provide benchmark testing.
- D. Provide product datasheet.

Answer: C

QUESTION 25:

A customer named Certkiller .com has a requirement for recall of tape data. The media choice must have the longest archival life. Which of the following would be the most appropriate selection?

- A. LTO
- B. DLT
- C. SDLT
- D. Magstar

Answer: A

QUESTION 26:

Which of the following is NOT an advantage of IBM's NAS product offerings?

- A. Operating system optimized for NFS
- B. 250 persistent True Image data views
- C. Tightly integrated software suite
- D. Windows powered OS

Answer: A

QUESTION 27:

A customer named Certkiller .com is migrating a 600 GB Oracle database from an older IBM @ Server pSeries server to a new one. The data is on a 2 TB IBM TotalStorage EnterpriseStorage Server (ESS) that is 80% full. What is the easiest way to move the data to the new server?

- A. Create new LUNs as targets, perform FlashCopy to those Luns, and assign the target LUNs to the new server.
- B. Use IBM TotalStorage ESS Specialist to assign the existing LUNs to the new server and use AIXLVM importvg to acquire the existing data.
- C. Assign new LUNs to the new system, backup the data with the existing tape library, and restore it on the new system.
- D. Assign new LUNs to the new system and use FTP to transfer the data to the new system.

Answer: B

QUESTION 28:

Which of the following is NOT a competitive advantage of the IBM TotalStorage FASSt600 fibre disk subsystem compared to SCSI-based solutions in a 300 GB subsystem?

- A. 15,000 rpm disk drive option
- B. Improved performance regarding I/Os per second
- C. Improved performance regarding data transfer rates
- D. Better reliability, availability, and serviceability (RAS) characteristics

Answer: A

QUESTION 29:

A customer named Certkiller .com has two Intel-based Linux servers and would like to have 700 GB of disk to share between them. Disk I/O performance is very important to the customer. The sales team has recommended an IBM TotalStorage FASSt600 Storage Server. The Intel-based Linux servers are going to be located less than 50 meters from the IBM FASSt600. The customer would like to have two Fibre Channel adapters in each Linux server. What is the minimum number of IBM Fibre Channel Managed Hubs (3534-F08) required for high availability?

- A. 0
- B. 1
- C. 2
- D. 4

Answer: A

QUESTION 30:

A customer named Certkiller .com requires off-site storage for 500 GB per night in backups. The backup site is 350 miles (560 kilometers) away. The customer does not require the backup site to run the application in the event of failure at the main site. Which of the following is the most cost-effective and practical strategy from the data center?

- A. Install IBM Tivoli Storage Manager and IBM TotalStorage Enterprise Tape Drive at backup site.

- B. Install an HACMP environment and mirror data.
- C. Transport nightly backup tapes via truck.
- D. Make online image backups

Answer: C

QUESTION 31:

Which of the following is the primary disadvantage of traditional parallel SCSI architecture limitations compared to Fibre Channel point-to-point connection?

- A. Distance
- B. Cable Flexibility
- C. Supported platforms
- D. Performance due to arbitration

Answer: A

QUESTION 32:

A company has adopted a disaster recovery plan that requires a centrally managed solution. The plan requires that backup storage be kept off-site in a secure location where there is no computer equipment. Which of the following products would best fit the company's needs?

- A. IBM Tivoli Storage Manager Base Edition
- B. IBM Tivoli Storage Manager Extended Edition
- C. IBM Tivoli Storage Manager with sever to server communications
- D. IBM Tivoli Storage Manager of System Backup and Recovery

Answer: B

QUESTION 33:

Which of the following is the primary disadvantage of traditional parallel SCSI architecture limitations compared to Fibre Channel point-to-Point connection?

- A. Distance
- B. Cable Flexibility
- C. Supported platforms
- D. Performance due to arbitration

Answer: A

QUESTION 34:

A company has adopted a disaster recovery plan that requires a centrally managed solution. The

plan requires that backup storage be kept off-site in a secure location where there is no computer equipment. Which of the following products would best fit the company's needs?

- A. IBM Tivoli Storage Manager Base Edition
- B. IBM Tivoli Storage Manager Extended Edition
- C. IBM Tivoli Storage Manager with sever to sever communications
- D. IBM Tivoli Storage Manager to System Backup and Recovery

Answer: B

QUESTION 35:

A customer named Certkiller .com's current backup environment is IBM Tivoli Storage Manager over the corporate 100Base T network. A 500 GB Oracle database application was recently added. Backup windows are no longer being met and end-user application response time has increased to unacceptable levels. Which of the following actions should be recommended by the Storage Specialist?

- A. Implement a SAN based backup solution using IBM Tivoli Storage Manager for Storage Area Networks.
- B. Add more tape dries to IBM Tivoli Storage Manager tape storage pool.
- C. Increase the size of the IBM Tivoli Storage Manager disk storage pool.
- D. Implement IBM Tivoli Storage Resource Manager to identify large jpeg files for deletion.

Answer: A

QUESTION 36:

A Windows 2000 customer is planning to implement an IBM TotalStorage FAStT900 Storage Server in a highly available environment. The customer's initial configuration includes connecting two Windows 2000 servers with two Fibre HBAs per server for redundancy. During the installation review process, the customer decides to add another four Windows 2000 server with two Fibre HBAs each. Which of the following components are required to address this change prior to installation?

- A. Four Fibre host adapters, one 2031-224 McData Sphereon 4500 Fabric Switch
- B. Four Fibre hsot adapters, two 2032-064 McData Intrepid 6064 Directors
- C. Eight Fibre host adapters, one 2031-224 McData Sphereon 4500 Fabric Switch
- D. Eight Fibrehsot adapters, two 2031-224 McData Sphereon 4500 Fabric Switches

Answer: D

QUESTION 37:

Which of the following is NOT a key element in a customer's disk-to-disk migration plan for a test system?

- A. Tape drive speed
- B. Scheduled cutover time
- C. Contingency plan in the event of a problem
- D. Acceptance testing

Answer: A

QUESTION 38:

To complete an installation schedule for an IBM 2105 TotalStorage Enterprise Storage Server, with whom should the storage technical specialist work?

- I. Customer personnel
- II. IBM Customer Engineer
- III. Business Partner or IBM Representative
- IV. Disaster Recovery Team

- A. I, II and III
- B. I, II and IV
- C. I, III and IV
- D. II, III and IV

Answer: A

QUESTION 39:

A customer named Certkiller .com currently has multiple Sun Solaris servers and wants 500 GB of new storage capacity to be partitioned among these processors. The storage subsystems would be replacing older Fibre Channel disks currently attached to the Sun processors. The customer is also planning to migrate the Sun systems, to HP-UX platforms a few months and wants to preserve as much of the new disk subsystem investment as possible at that time. They are also evaluating storage solutions from HP, SUN, and EMC. Given the customer's objective, which of the following IBM subsystems would be the preferred choice?

- A. IBM TotalStorage Serial Disk System attached with a Fibre Channel SLIC router
- B. IBM TotalStorage Enterprise Storage Server
- C. IBM TotalStorage FASTT700 Storage Server
- D. IBM TotalStorage EXP Plus

Answer: C

QUESTION 40:

A customer named Certkiller .com currently has multiple Windows servers with a total of approximately 1 TB of direct attached storage. All applications are file I/O oriented. The storage administration is becoming too expensive. What is the most efficient solution to use for providing

more capacity to each server?

- A. An iSCSI server
- B. IBM TotalStorage NAS
- C. IBM FAStT700 Storage Server
- D. IBM TotalStorage Enterprise Storage Server

Answer: B

QUESTION 41:

During the installation planning process for an IBM TotalStorage EnterpriseTape Library, which of the following is NOT important for the storage technical specialist to check?

- A. Power
- B. Lighting
- C. Floor space
- D. Shipping and Receiving Access

Answer: B

QUESTION 42:

A customer named Certkiller .com has 5 TB of IBM Tivoli Storage Manager historical data in an IBM Magstar MP Tape Library Dataserver (3575) installed in a Windows environment. The customer would like to upgrade to an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) with fibre connectivity. The available disk on the floor is 500 GB. The customer would like to minimize risk and downtime. What is the best migration approach?

- A. Check out tapes from the IBM 3575 and check in tapes to the IBM 3584.
- B. Restore the IBM 3575 data to disk and use IBM Tivoli Storage Manager to backup data to new media.
- C. Disconnect the IBM 3575 and begin IBM Tivoli Storage Manager backups to the IBM 3584.
- D. Perform IBM Tivoli Storage Manager storage pool migration to the IBM 3584.

Answer: D

QUESTION 43:

During the Systems Assurance Product Review (SAPR) process for an IBM TotalStorage EnterpriseStorage Server, which of the following tasks will the storage technical specialist most likely do?

- A. Complete the Storage Requirement Worksheets.
- B. Fill out the Data Migration Worksheets.
- C. Manage customer resources.
- D. Order power receptacle.

Answer: A

QUESTION 44:

An IBM @Server pSeries configuration includes three IBM TotalStorage EnterpriseTape Drive Model E1 A drives in a single SCSI string. The pSeries server has a single SCSI Fast and Wide adapter card. The last drive will be removed and used on another host. Aside from stopping the activity to the bus, which of the following, if any, is the LEAST disruptive approach to accomplish this process?

- A. Power of all the drives and the processor, effect the cable changes, and restart the configuration.
- B. Power off the drive to be removed, remove the drive, and terminate the bus.
- C. Power off the drive to be removed and disconnect the cable from the drive.
- D. Power off not necessary, disconnect cable, and terminate the bus.

Answer: B

QUESTION 45:

A customer named Certkiller .com has several IBM @Server pSeries servers with multiple Fibre Channel adapters attached to an IBM TotalStorage EnterpriseStorage Server (ESS). Which of the following provides alternate path fail-over and load balancing?

- A. Disk Magic
- B. Logical Volume Manager
- C. Subsystem Device Driver
- D. IBM TotalStorage ESS Expert

Answer: C

QUESTION 46:

A customer named Certkiller .com has ordered a fully redundant dual power supply with a storage system. Which of the following is an important site requirement?

- A. UPS
- B. Dual power distribution units in the rack
- C. Multiple primary power sources
- D. Dual power lines

Answer: C

QUESTION 47:

During the Tivoli Storage Manager database backup, the operating tape drive from the tape drive

pool fails. Which of the following actions should be performed next?

- A. Repair the drive as quickly as possible.
- B. Reboot Tivoli Storage Manager.
- C. Use an alternate backup program.
- D. Restart the backup on an alternate tape drive.

Answer: D

QUESTION 48:

A customer named Certkiller .com has a 1 TB storage subsystem and needs to share files with multiple hosts including Windows, AIX and Solaris. Which of the following is the most cost effective solution to meet this requirement?

- A. Implement IBM Tivoli SANergy.
- B. Add more storage and use FlashCopy.
- C. Use iSCSI Storage Server Subsystem.
- D. Install IBM Tivoli Storage Manager for Space Management.

Answer: A

QUESTION 49:

A customer named Certkiller .com has redundant SAN fabrics comprised of multiple IBM TotalStorage SAN Switches (2109). An IBM @Server pSeries server is attached with dual HBAs for high availability and high performance. SDD is installed on the server. One of the IBM 2109s to which the server is attached has failed. Which of the following describes the impact, if any, on the pSeries server?

- A. Access to some data is lost.
- B. No performance impact, all I/Os will be routed through the surviving IBM 2109.
- C. Performance maybe reduced if I/O rate is greater than one HBA's throughput.
- D. SDD will compress data on surviving path to increase throughput.

Answer: C

QUESTION 50:

Prior to installation, which of the following products requires a systems assurance?

- A. IBM TotalStorage NAS Gateway 300
- B. IBM TotalStorage 7133 Serial Disk System
- C. IBM TotalStorage Expandable Storage Plus
- D. IBM TotalStorage Enterprise Storage Server

Answer: D

QUESTION 51:

A customer named Certkiller .com has 49 Intel-based servers with local attached disk. They recently installed an IBM TotalStorage EnterpriseStorage Server (2105-800) attached to two Unix servers for a large radiology application. The customer is now interested in evaluating how all other disk drivers in their Intel environment are being used. Which of the following IBM products best meets their requirement?

- A. IBM Tivoli SAN Manager (ITSANMgr)
- B. IBM Tivoli Storage Manager (ITSM)
- C. IBM Tivoli Storage Resource Manager (ITSRM)
- D. IBM Tivoli Storage Manager for Enterprise Resource Planning (ITSMERP)

Answer: C

QUESTION 52:

A customer named Certkiller .com has a small application for sequential data access. This applications 50 GB and will use five or six disk drives. Which of the following device interfaces will give the customer the best price/performance characteristics?

- A. SSA
- B. FC-AL (1Gb)
- C. Ultra2 SCSI
- D. FCP (2Gb)

Answer: C

QUESTION 53:

The end-user currently has an IBM TotalStorage LTO Ultrium Scalable Library (3583-L18) with two Ultrium 1 drives. Additional cartridge slots are required to increase library storage capacity. How can the end-user increase the capacity by 1.8 TB (uncompressed) on the existing IBM 3583?

- A. Upgrade the library to an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584-L32).
- B. Upgrade the existing library with a 12-slot cartridge I/O station.
- C. Add storage columns providing additional capacity.
- D. Replace Gen I cartridges with Gen II cartridges.

Answer: C

QUESTION 54:

Which of the following will decrease I/O performance?

- A. Spread all hot LVs over more than one drive.
- B. Routinely monitor system performance.
- C. Use SDD with multiple adapters.
- D. Enable mirror write consistency.

Answer: D

QUESTION 55:

Which of the following is an advantage of an Ultra SCSI bus over an SSA bus?

- A. Arbitration
- B. Pipelining
- C. Bandwidth
- D. Cost

Answer: D

QUESTION 56:

Which of the following devices has the fastest compressed data transfer rate?

- A. IBM TotalStorage Enterprise Tape Drive Model E1A
- B. IBM TotalStorage Enterprise Tape Drive Model H1A
- C. IBM Ultrium 1
- D. IBM Ultrium 2

Answer: D

QUESTION 57:

In a configuration consisting of a Windows 2000 server connected to an IBM storage subsystem, which of the following affects file system performance the most?

- A. File system size
- B. Disk cluster size
- C. Volume size
- D. Block size

Answer: D

QUESTION 58:

Which protocol conversion is done with the IBM TotalStorage Controller 160 (SLIC router)?

- A. SSA to iSCSI
- B. SSA to FC
- C. SSA to TCP/IP
- D. SSA to SCSI

Answer: B

QUESTION 59:

A customer named Certkiller .com is currently using an IBM TotalStorage EnterpriseStorage Server (2105) in a Storage Area Network. Although capacity is still available, the customer decides to connect several Intel servers utilizing Network Attached Storage (NAS). Which of the following products would be the best high availability solution?

- A. IBM TotalStorage NAS 300G Model G02
- B. IBM TotalStorage NAS 300G Model G27
- C. IBM TotalStorage NAS 200 Model 25T
- D. 2062-D01 Cisco MDS 9216 Multilayer Fabric Switch

Answer: B

QUESTION 60:

A database administrator knows an application will be very write-intensive. If performance is a priority but high availability is not, what RAID level will best accomplish this goal?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 0+1 (RAID10)

Answer: A

QUESTION 61:

A customer named Certkiller .com has an IBM TotalStorage FAStT200 Storage Server with five full EXP500 drawers. They now require an additional 1 TB of raw capacity. Which of the following upgrade options should be recommended to minimize the cost to the customer?

- A. Add one EXP500 drawer with seven (7) 146 GB drives to the IBM FAStT200.
- B. Add one EXP700 drawer with fourteen (14) 72.2 GB drives to the IBM FAStT200.
- C. Add an IBM FAStT600 with seven (7) 146 GB drives.
- D. Add an IBM TotalStorage Enterprise Storage Server with four (4) eight-packs of 36 GB drives.

Answer: C

QUESTION 62:

Exhibit.*** MISSING ***

Given the configuration shown, which of the following statements is correct?

- A. A and B can simultaneously move data to D1 and D2.
- B. A and B can simultaneously move data to D2 and D3.
- C. B and C simultaneously move data to D1 and T1.
- D. B and C can simultaneously move data to D3 and T1.

Answer: D

QUESTION 63:

Which of the following indicates the fundamental attachment difference between an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) and an IBM TotalStorage Enterprise Tape Library (3494) SCSI host connection?

- A. The IBM 3494 does not use an RS-232 or LAN connection.
- B. The IBM 3494 uses the SCSI channel for data and library control commands.
- C. The IBM 3584 uses the SCSI channel for data and library control commands.
- D. The IBM 3584 uses an RS-232 or LAN connection for library control commands.

Answer: C

QUESTION 64:

Which of the following products logical library partitioning?

- A. IBM TotalStorage LTO Ultrium Tape Autoloader (3581) and IBM TotalStorage LTO Ultrium Tape Drive (3580)
- B. IBM TotalStorage LTO Ultrium UltraScalable Library (3584) and IBM 3581
- C. IBM 3584 and IBM TotalStorage Enterprise Tape Library (3494)
- D. IBM 3494 and IBM 3581

Answer: C

QUESTION 65:

Which of the following I/O characteristics would lead storage specialist to recommend to a customer a RAID-10 implementation on an IBM TotalStorage EnterpriseStorage Server Model 800?

- A. Large number of small block random reads
- B. Large number of small block random writes

- C. Large number or large block sequential reads
- D. Large number of large block sequential writes

Answer: B

QUESTION 66:

When multiple different host types such as Sun, HP, and IBM @Server pSeries are connected to an IBM TotalStorage EnterpriseStorage Server (ESS), which of the following is true?

- A. Common LUN sizes can be used.
- B. Each type of server will use its own host group.
- C. Different host types can share the same ESS SCSI port.
- D. A single storage pool must be defined for all of the pSeries servers.

Answer: A

QUESTION 67:

Which of the following provides multi-path failover on an IBM TotalStorage FASTT subsystem?

- A. Remote Mirror (RM)
- B. Redundant Disk Array Controller (RDAC)
- C. Persistent Storage Manager (PSM)
- D. Subsystem Device Driver (SDD)

Answer: B

QUESTION 68:

Which of the following is the primary disadvantage of implementing ISLs in a SAN fabric?

- A. Can limit scalability of SAN fabric
- B. Can be a bottleneck for I/O performance across the SAN fabric
- C. Disables the ability to implement soft zoning in the SAN fabric
- D. Allows heterogeneous systems to override LUN masking

Answer: B

QUESTION 69:

When presenting an IBM storage solution to a customer, which of the following best describes IBM's TotalStorage Solution strategy?

- A. It supports all server platforms.
- B. It offers the least expensive hardware.

- C. It includes hardware, software and services.
- D. It offer 24 x 7 support for hardware and software.

Answer: C

QUESTION 70:

What color is the Ultrium 2 data cartridge?

- A. Black
- B. Purple
- C. Green
- D. Blue

Answer: B

QUESTION 71:

In which of the following IBM @Server environments is an IBM TotalStorage Virtual Tape Server most applicable?

- A. IBM @Server iSeries server
- B. IBM @Server pSeries server
- C. IBM @Server xSeries server
- D. IBM @Server zSeries server

Answer: C

QUESTION 72:

Which of the following is the advantage of the 4K Cache Slot Size in the IBM TotalStorage EnterpriseStorage Server?

- A. Allows for more efficient use of the cache memory
- B. Reduces processing power from the device adapters
- C. Reduces processing power from the clustered processors
- D. Minimizes the interconnect bandwidth utilization between clusters

Answer: C

QUESTION 73:

When using IBM Tivoli Storage Manager to perform backups across a LAN, which of the following TCP/IP parameters should be tuned differently depending on the network type?

- A. Maxhops

- B. TCPwindow size
- C. ipforwarding
- D. Netmask

Answer: C

QUESTION 74:

A customer named Certkiller .com has the following configuration:

1. 4 IBM @Server xSeries servers
2. 1 SAN FC switch
3. 1 IBM TotalStorage FAStT900 Storage Server

The customer desires a cost-effective solution for immediate data availability. Their data recovery site is 2 km away. Which of the following should the technical specialist recommend to best satisfy the customer's requirements?

- A. Install IBM TotalStorage LTO Ultrium Scalable Library (3583) with a SAN Data Gateway Module at the remote location, a second SAN FC switch, and Tivoli Storage Manager software.
- B. Install an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) with FC drives at a remote location, a second SAN FC switch, and Tivoli Storage Manager software.
- C. Install an additional IBM FAStT900 at a remote location, a second SAN FC switch, and remote mirror software.
- D. Install an IBM TotalStorage Enterprise Storage Server at a remote location, a second SAN FC switch, and PPRC software.

Answer: C

QUESTION 75:

Which of the following makes it challenging to implement "true" data sharing?

- A. Network bandwidth is too slow to support the required data transfer speeds.
- B. There are incompatible file system formats across different operating systems.
- C. It is difficult to dynamically reassign disk capacity across heterogeneous processors.
- D. A lack of high-speed channel communications between heterogeneous processors exists.

Answer: C

QUESTION 76:

A customer named Certkiller .com owns an IBM TotalStorage EnterpriseTape Library (3494-L12) with two IBM TotalStorage EnterpriseTape Drives (3590). They use these tape drives in an IBM Tivoli Storage Manager environment. They are considering purchasing an additional IBM 3494-D 12 frame with two IBM 3590 SCSI tape drives to attach their IBM @Server iSeries server. The customer own BRMS for the iSeries server. What interface could BRMS use to manage the tape library manger?

- A. Ethernet only
- B. Serial interface
- C. SCSI or Ethernet
- D. Ethernet or serial interface

Answer: C

QUESTION 77:

A customer named Certkiller .com is planning to implement hierarchical storage management. Which of the following is the most important consideration when planning in order to avoid performance problems?

- A. Size of disk subsystem cache and efficiency of cache management algorithms
- B. Number of days data is unreferenced before it is migrated from disk to tape
- C. Capacity in gigabytes of each tape volume
- D. Number of levels in the storage hierarchy

Answer: C

QUESTION 78:

A customer named Certkiller .com is asking for a backup solution utilizing an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) with Fibre Channel Ultrium 2 tape drives. Which of the following best describes the advantages of this product versus competitive products?

- A. LTO tape drives attach via FC-AL
- B. Dedicated World Wide Names (WWN)
- C. The two incorporated FC ports per tape drive
- D. Call Home service feature

Answer: C

QUESTION 79:

Which of the following functions can the Disaster Recovery Module for Tivoli Storage Manager perform?

- A. Automatically migrates data from disk to tape
- B. Tracks offsite backups and manages media
- C. Enables server-to-server communications
- D. Monitors disk storage pools

Answer: C

QUESTION 80:

Which of the following interface types is used on a standalone IBM TotalStorage LTO Ultrium Tape Drive(3580-Ultrium 2)?

- A. FCP
- B. FC-AL
- C. SCSI
- D. IDE

Answer: C

QUESTION 81:

A legal firm would like to implement a solution that stores data permanently and has a shelf-life of greater than 10 years. Which of the following IBM Storage solutions should be recommended?

- A. IBM Optical Storage: Write Once Read Many (Ablative WORM)
- B. IBM Optical Storage: Write Once read Many (CCW)
- C. IBM Optical Storage: Magneto Optical (MO)
- D. IBM Optical Storage: Read Only Memory (ROM)

Answer: C

QUESTION 82:

The use of disk data striping will likely have the most positive impact on throughput for which of the following applications?

- I. Order entry
- II. Batch database report generation
- III. Video streams
- IV. Customer billing inquiries

- A. I and II
- B. I and IV
- C. I and III
- D. III and IV

Answer: C

QUESTION 83:

A customer named Certkiller .com is considering constructing a disk SAN to support their IBM @ Server iSeries and Sun servers. Which of the following vendors will be able to provide a complete, competitive SAN solution?

- A. Sun
- B. HP
- C. HDS
- D. EMC

Answer: C

QUESTION 84:

Which IBM TotalStorage Tape Drive product is SAN fabric capable?

- A. Magstart MP
- B. DLT 8000
- C. Ultrium 2
- D. 8mm VXA-2

Answer: C

QUESTION 85:

Which of the following IBM TotalStorage EnterpriseStorage Server Advanced Functions utilize time stamping?

- A. PPRC
- B. PPRC-XD
- C. FlashCopy
- D. XRC

Answer: C

QUESTION 86:

Industry analysts are predicting the largest growth in which of the following storage areas?

- A. DAS
- B. NAS
- C. SAN
- D. iSCSI

Answer: C

QUESTION 87:

The IBM TotalStorage LTO Ultrium Scalable Library (3583) is a high capacity storage subsystem with a small space requirement. What is the maximum number of cartridges and the resulting uncompressed capacity for the IBM 3583 using Ultrium 1 tape drives?

- A. 18 cartridges and 1.8 TB
- B. 18 cartridges and 3.6 TB
- C. 72 cartridges and 7.2 TB
- D. 72 cartridges and 14.4 TB

Answer: C

QUESTION 88:

What is the minimum version of the IBM TotalStorage FAStT Storage Manager required to support Windows and AIX servers the same system?

- A. SM V7.100
- B. SM V8.0
- C. SM V8.21
- D. SM V8.3

Answer: C

QUESTION 89:

Which of the following technologies would a storage specialist recommend to a customer who is backing up and restoring many small files on a tape device?

- A. IBM TotalStorage SDLT Drive
- B. IBM TotalStorage LTO Ultrium Tape Drive
- C. IBM TotalStorage Enterprise Tape Drive
- D. IBM TotalStorage 8mm Mammoth Tape Drive

Answer: C

QUESTION 90:

Which of the following does IBM Tivoli Storage Manager use to manage its storage volumes?

- A. Log file
- B. Database
- C. Flat file
- D. Logical Volume

Answer: C

QUESTION 91:

Exhibit.

A customer wishes to use Tivoli Storage Manager to back up five Windows NT file and print servers and is asking for advice on storage. The customer's anticipated daily backup increment is approximately 5 GB, which represents 1% of all of the customer's data. The customer is also anticipating an average retention period of 60 days. Average file size is 100 KB, and restores are frequent. The customer makes off-site storage pool backups daily and sends database backups off-site. The customer would like to use collocation.

For long-term planning, which of the following would be the most appropriate storage device?

- A. IBM Optical Library Dataserver (3995)
- B. IBM TotalStorage Virtual Tape Server (3494)
- C. IBM TotalStorage SDLT Tape Drive (7205)
- D. IBM TotalStorage LTO Ultrium Scalable Library (3583)

Answer: D

QUESTION 92:

Exhibit.

A customer wishes to use Tivoli Storage Manager to back up five Windows NT file and print servers and is asking for advice on storage. The customer's anticipated daily backup increment is approximately 5 GB, which represents 1% of all of the customer's data. The customer is also anticipating an average retention period of 60 days. Average file size is 100 KB, and restores are frequent. The customer makes off-site storage pool backups daily and sends database backups off-site. The customer would like to use collocation.

What would be the best library capacity for this customer?

- A. 0.5 TB
- B. 3 TB
- C. 7 TB
- D. 10 TB

Answer: B

QUESTION 93:

A customer named Certkiller .com plans to increase the storage on a database server. Currently the system consists of a Sun server with 7 x 36.4 GB SCSI disk drives on a single bus. There are not additional adapter slots left in the system. Expected growth of data is 70% per year, and performance level must be maintained. Which of the following will provide the customer with the best long-term solution?

- A. Add 145 GB SCSI drives to the existing system.
- B. Replace the existing drives with 72.8 GB SCSI drives.
- C. Replace the SCSI subsystem with an IBM TotalStorage FASTT solution.
- D. Replace the existing drives with an IBM TotalStorage Expandable Storage Plus (2104).

Answer: C

QUESTION 94:

A customer named Certkiller .com has an "engineering support system" that is backed up using IBM Tivoli Storage Manager. The system consists of an IBM @Server pSeries and several Windows NT and Netware servers. The IBM Tivoli Storage Manager system runs on an IBM

pSeries server to a tape silo. Due to network congestion, the expanding data on the "engineering support system" can no longer be backed up within the time available. The data growth is expected to increase rapidly over the next few months. The IBM pSeries recovery time is currently estimated at 72 hours. Which of the following options resolves the network problem?

- A. Install an IBM TotalStorage NAS 200.
- B. Utilize LAN free backups over the SAN.
- C. Install iSCSI to improve block I/O throughput.
- D. Increase the number of tape drives within the silo.

Answer: B

QUESTION 95:

In order for an IBM @Server iSeries server to attach to a SAN, which of the following is a minimum requirement?

- A. OS/400 V4.3 + PTFs MF21962, MF21979
- B. OS/400 V4.4 + PTFs MF21963, MF21978
- C. OS/400 V5.1
- D. OS/400 V5.2

Answer: C

QUESTION 96:

A customer named Certkiller .com has a requirement for 2 TB of non-compressible data to be stored on an automated tape library. The customer requires the best compromise between tape drive capacity and speed. Which of the following would be the best technology choice given the customer's requirements?

- A. IBM TotalStorage Enterprise Tape Drive (3590-H11) with ACF
- B. IBM TotalStorage Enterprise Tape Library (3494) with IBM 3590-H1A drives
- C. IBM TotalStorage LTO Ultrium Tape Autoloader (3581)
- D. IBM TotalStorage LTO Ultrium Scalable Library (3583)

Answer: D

QUESTION 97:

A business is expanding its market by supporting order-entry via the Internet, and wants to provide continuous access to this new application. Which of the following disk subsystem attributes is most important to achieving this goal?

- A. Fibre Channel interface
- B. Large cache size

- C. Use of RAID 0
- D. Use of RAID 5

Answer: D

QUESTION 98:

A customer named Certkiller .com is purchasing an IBM @Server pSeries four-node cluster to use for a client/server ERP application that will be configured as follows:

1. two nodes will be application servers
2. two nodes in an HACMP cluster will serve the database

The customer will be using an IBM TotalStorage Serial Disk System (7133). In order to provide the highest data availability for the database server, which of the following is the most appropriate hardware RAID technology to recommend?

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

Answer: B

QUESTION 99:

In a set of two RAID 5 arrays, each with eight disk drives, one configured in 6+P+S and one as 7+P, what is the equivalent number of drives available to hold data?

- A. 12 drives
- B. 13 drives
- C. 14 drives
- D. 16 drives

Answer: B

QUESTION 100:

An application development organization has identified performance requirements for a new application. Which of the following elements has the LEAST impact on I/O performance?

- A. Clock rate of the CPU
- B. Number of disk drives
- C. Number of processor I/O adapters
- D. Amount of system memory

Answer: A

QUESTION 101:

A large enterprise has numerous Intel-based servers with a variety of locally attached IBM 4mm tape drives used for periodic backups. The customer has often been unable to restore data from tape media. Which of the following would provide the customer with the best backup/restore solution?

- A. Replace existing tape drives with LTO tape drives in each server.
- B. Install an IBM TotalStorage Enterprise Tape Library (3494) with Tivoli LAN free backup.
- C. Install an IBM TotalStorage Virtual Tape Server (3494-VTS) with additional virtual drives.
- D. Install a Tivoli Storage Manager server with an IBM TotalStorage LTO Ultrium Scalable Library (3583)

Answer: D

QUESTION 102:

A customer named Certkiller .com has two IBM TotalStorage FAStT900 Storage Servers, each a in separate location. Which of the following functions provides data integrity and consistency between the two locations?

- A. Flash Copy
- B. TSM Extended Edition
- C. Remote Mirroring
- D. Snapshot

Answer: C

QUESTION 103:

A customer named Certkiller .com is currently running MSeXchagne on Windows using an IBM TotalStorage FAStT700 Storage Server. The customer has very little network bandwidth to spare. Their current direct connected tape drive is not sufficiently meeting their backup requirements. They would like to integrate into the centralized IBM Tivoli Storage Manager (TSM) backup solution. Which of the following is the best solution to accomplish their backup task?

- A. Add another HBA and implement an IBM TSM LAN Free solution.
- B. Add a larger dedicated tape drive and have IBM TSM manage it remotely.
- C. Install IBM Tivoli Storage Manager for Application Servers.
- D. Install the IBM TSM client and backup over the network.

Answer: A

QUESTION 104:

Which of the following cable connector types is required when connecting an IBM TotalStorage

EnterpriseTape Drive (3590-E1A) directly to an IBM TotalStorage SAN Fibre Channel Switch (2109-F16) with short wave GBICs?

- A. SC to SC cable
- B. SC to LC cable
- C. SC to ST cable
- D. LC to LC cable

Answer: C

QUESTION 105:

A customer named Certkiller .com wants to migrate their current DB2 database, which is running on AIX connected to an EMC Symmetrix, to a solution that meets their throughput requirements. Which of the following is the best way to indicate the expected performance of an IBM TotalStorage disk solution?

- A. Calculate the expected performance based upon published throughput values.
- B. Describe the architecture of the IBM solution explaining why it is superior to the EMC solution.
- C. Engage an IBM TotalStorage Solution Center to test the customer's application performance with the new configuration.
- D. Call the IBM SupportLine and request throughput calculations based upon the proposed solution.

Answer: B

QUESTION 106:

For which of the following upgrade scenarios is there NO Customer Engineering (CE) installation services provided?

- A. IBM TotalStorage Enterprise Tape Library (3494) upgrade
- B. IBM TotalStorage FAStT900 Storage Server capacity upgrade
- C. IBM TotalStorage Enterprise Storage Server (2105) capacity upgrade
- D. IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) upgrade

Answer: B

QUESTION 107:

Which of the following features of the IBM TotalStorage FAStT900 Storage Server is a key advantage over the IBM TotalStorage FAStT700 Storage Server?

- A. 2 Gb FC-AL
- B. Maximum sequential I/O
- C. Supported RAID Levels
- D. Maximum number of supported LUNs

Answer: B

QUESTION 108:

A customer named Certkiller .com stores 1 TB of data on an IBM @Server pSeries server. The customer has major budgetary constraints. Assuming 2:1 data compression and total cost of ownership is the primary requirement, which of the following is the best alternative for unattended tape backup/restore?

- A. IBM TotalStorage LTO Ultrium Tape Drive (3580)
- B. IBM TotalStorage LTO Ultrium Tape Autoloader (3581)
- C. IBM TotalStorage LTO Ultrium Scalable Library (3583)
- D. IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584)

Answer: B

QUESTION 109:

Which tape technology uses helical scan?

- A. AIT
- B. DLT
- C. LTO
- D. SDLT

Answer: A

QUESTION 110:

Which of the following provides storage interconnect technology for point-to-point high performance and long distance data transfer?

- A. SCSI-2
- B. SSA 160
- C. Ultra SCSI
- D. Fibre Channel

Answer: D

QUESTION 111:

The IBM TotalStorage EnterpriseStorage Server does NOT support the reassignment of existing logical volumes between which of the following?

- A. IBM @Server pSeries and Sun servers

- B. IBM @Server pSeries and xSeries servers
- C. IBM @Server iSeries and iSeries servers
- D. IBM @Server iSeries and zSeries servers

Answer: D

QUESTION 112:

A customer named Certkiller .com has defined their strategic storage interconnect direction as Fibre Channel. An existing IBM TotalStorage Enterprise Tape Library (3494) with IBM TotalStorage Enterprise Tape Drive 3590-B1A drives and an IBM @Server pSeries server all need to comply with this directive. Through which of the following can this best be accomplished?

- A. Add a Fibre Channel interface to the pSeries server and use an IBM TotalStorage SAN Switch (2109-F16) to connect the library.
- B. Add a Fibre Channel interface to the pSeries server and upgrade the IBM 3590B1A to IBM 3590-H1A with Fibre interface.
- C. Add a Fibre Channel interface to the pSeries server and change the SCSI on the IBM 3590 to the IBM 3590B1A to Fibre Channel.
- D. Add a Fibre Channel interface to the pSeries server and migrate the IBM 3494 to an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584).

Answer: B

QUESTION 113:

Which of the following IBM Tivoli Storage Manager functions allows for storage of on-line data onto inexpensive media?

- A. SANergy
- B. Space Manager (HSM)
- C. Disaster Recovery Manager (DRM)
- D. Backup Recover Management Services (BRMS)

Answer: B

QUESTION 114:

All of the following contribute to high availability in an IBM TotalStorage EnterpriseStorage Server (2105) EXCEPT

- A. Integrated fail over support for dual active processor clusters
- B. RAID-5 to protect the data from disk failures
- C. Fibre Channel host support
- D. Power subsystem features

Answer: C

QUESTION 115:

A customer named Certkiller .com has a requirement to backup/restore data over the network as fast as possible. Which of the following would be best?

- A. FDDI
- B. 155 AT
- C. 100 BaseT
- D. 1 Gb Ethernet

Answer: D

QUESTION 116:

A customer named Certkiller .com has multiple hosts including Windows, Solaris and AIX that need direct access to a common tape library. Which of the following tape libraries is the most cost effective way to meet this requirement?

- A. IBM 3494 with logical library partitioning
- B. IBM 3581 with logical library partitioning
- C. IBM 3582 with logical library partitioning
- D. IBM 3584 with logical library partitioning

Answer: D

QUESTION 117:

Which of the following is supported by the IBM TotalStorage Expandable Storage Plus (2104)?

- A. IBM @Server xSeries sever
- B. IBM @Server zSeries sever
- C. IBM @Server iSeries sever
- D. IBM @Server pSeries sever

Answer: D

QUESTION 118:

Exhibit.

A customer wishes to use Tivoli Storage Manager to back up five Windows NT file and print servers and is asking for advice on storage. The customer's anticipated daily backup increment is approximately 5 GB, which represents 1% of all of the customer's data. The customer is also anticipating an average retention period of 60 days. Average file size is 100 KB, and restores are frequent. The customer makes off-site storage pool backups daily and sends database backups off-site. The customer would like to use collocation.

What is the minimum number of tape drives that should be recommended?

- A. 1
- B. 3
- C. 5
- D. 7

Answer: B

QUESTION 119:

A customer named Certkiller .com has an existing rack-mounted IBM TotalStorage EnterpriseTape Drive (3590) Model B with ACF and wishes to decrease the time necessary to complete backups. If floor space is a concern, which of the following should a storage technical specialist recommend to the customer?

- A. Upgrade to an IBM 3590 Model H1A
- B. Upgrade to an IBM 3590 Model H11
- C. Replace with an IBM 3590 Model A60
- D. Replace with an IBM 3590 Model C12

Answer: B

QUESTION 120:

When sizing a new IBM Tivoli Storage Manager solution, which of the following are the TWO most important factors to consider?

- I. Total amount of data to be protected
- II. Operating system type and version
- III. Available network bandwidth

IV. RAID level of disk storage pool

- A. I & II
- B. I & III
- C. I & IV
- D. II & III

Answer: B

QUESTION 121:

EMC, Sun and IBM all claim that they offer the highest performing disk solution. What is the most convincing way for the IBM Storage Specialist to prove the claim?

- A. Review latest Gartner Magic Quadrant report.
- B. Call CompeteLine for competitive data.
- C. Provide benchmark testing.
- D. Provide product datasheet.

Answer: C

QUESTION 122:

A customer named Certkiller .com would to implement a disk subsystem that provides high data availability at the lowest cost. A storage technical specialist should recommend which of the following?

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

Answer: D

QUESTION 123:

Which of the following is a feature of all IBM TotalStorage Ultrium tape drives?

- A. Statistical Analysis and Reporting System (SARS)
- B. Native switched fabric 2 GB Fibre Channel interface
- C. 200 GB Native capacity
- D. 64 MB buffer

Answer: A

QUESTION 124:

A customer named Certkiller .com wants to create an HACMP environment using two IBM eServer pSeries servers. How many Fibre Channel adapters should be used with each server to connect the IBM TotalStorage EnterpriseStorage Server (2105)?

- A. 0
- B. 1
- C. 2
- D. 4

Answer: C

QUESTION 125:

A customer named Certkiller .com has a number of servers, each with internal disks. They would like to move to a centralized storage environment. Which of the following information would be the MOST important to know when developing a migration solution?

- A. Application down time is not acceptable.
- B. The type of backup software that is in use.
- C. Additional adapters will be needed for the existing servers.
- D. Application performance will be affected while migration occurs.

Answer: A

QUESTION 126:

Exhibit.*** MISSING ***

The customer wants to do centralized backups. Assuming uniform change rate for the data on all servers pictured, which of the following nodes is the best candidate for a backup server?

- A. Node A
- B. Node B
- C. Node C
- D. Node E

Answer: C

QUESTION 127:

Which of the following is the most likely place of a Business Partner to find information about IBM competitors?

- A. Storage Marketing on PartnerInfo
- B. Competency Center Web site

- C. StorageLib on IBLINK
- D. IBM Storage Web site

Answer: A

QUESTION 128:

After reading the latest Gartner Report, a storage specialist discusses the benefits of monolithic storage systems with the customer. Which of the following would the specialist indicate is an attribute of monolithic (IBM 2105) storage?

- A. Supports IBM @Server zSeries servers
- B. Offers limited scalability and communication flexibility
- C. Relies heavily on bandwidth rather than cache to deliver performance
- D. Separates the RAID Controller Module from the Disk Drawer Modules

Answer: A

QUESTION 129:

What is the competitive advantage that IBM Tivoli Storage Manager provides for business continuity?

- A. Distributed data management
- B. Multiple platform support
- C. Faster backup time
- D. Faster recovery time

Answer: D

QUESTION 130:

When choosing between an IBM TotalStorage Enterprise Tape Library (3494) and an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) for an open system environment, which of the following does NOT have to be considered?

- A. Requirements for legacy applications
- B. Library capacity required by each host platform
- C. Cartridge capacity and scalability
- D. ESCON or FICON attachment

Answer: D

QUESTION 131:

Which of the following phrases best describes the IBM TotalStorage EnterpriseStorage Server

(2105) to a non-technical decision-maker?

- A. A consolidated storage solution
- B. A near-line storage solution
- C. A high performance disk subsystem
- D. A multi-host attachment subsystem

Answer: A

QUESTION 132:

The IBM SAN Data Gateway (2108-G07) functions as which of the following?

- A. A SCSI-Fibre Channel Gateway
- B. An SSA-Fibre Channel Gateway
- C. A TCP/IP-Fibre Channel Gateway
- D. An FC-AL to FC Point-to-Point Gateway

Answer: A

QUESTION 133:

A customer named Certkiller .com is implementing a large data storage consolidation project involving an IBM TotalStorage EnterpriseStorage Server (2105) and an IBM Tivoli Storage Manager backup solution. In order to ensure a successful installation and high customer satisfaction, what is the very first step that the storage technical specialist should complete?

- A. Review the data migration plan with the customer.
- B. Review environmentals with the customer and, if possible, the IBM client representative.
- C. Validate the installation details of the solution with the customer and IBM client representative.
- D. Complete the Solutions Assurance Product Review (SAPR) process in cooperation with the customer.

Answer: D

QUESTION 134:

A customer named Certkiller .com has a base level IBM TotalStorage FAStT200 Storage Server directly connected to an IBM @Server xSeries server. They are preparing to upgrade to an HA version of the storage subsystem. The rack unit is fully utilized. In addition to the HA module, which of the following components, if any, should be added in order to prepare for the new equipment?

- A. Rack and electrical equipment
- B. Memory and additional disk drives
- C. Additional SCSI adapter and power supply
- D. No additional equipment required

Answer: D

QUESTION 135:

A customer named Certkiller .com is concerned with the number of servers and amount of storage they have installed. They have Windows and Sun servers using SAN attached storage. They believe they have a lot of available disk allocated to these servers. What tool could be recommended to allow the customer to analyze and understand their current environment?

- A. IBM Tivoli Storage Manager for Enterprise Resource Planning
- B. IBM Tivoli Storage Manager for Space Management
- C. IBM Tivoli Storage Area Network Manager
- D. IBM Tivoli Storage Resource Manager

Answer: B

QUESTION 136:

A customer named Certkiller .com is replacing an IBM TotalStorage EnterpriseStorage Server (2105) Model F20 with a new IBM 2105 with a new IBM 2105 Model 800. Which of the following is a physical difference between the Model F20 and the Model 800?

- A. The IBM 2105-800 has increased power consumption.
- B. Service clearances have been increased for the IBM 2105-800.
- C. The IBM 2105 Model 100 Frame does not attach to an IBM 2105-800.
- D. The IBM 2105-800 with expansion enclosure requires more cooling capacity.

Answer: C

QUESTION 137:

A customer named Certkiller .com plans to install an IBM Tivoli Storage Area Network Manager. The current SAN is comprised of both IBM and McDATA switch and director products. Which of the following is the most significant immediate effect if the implementation is successful?

- A. Fewer SAN management tools
- B. Less SAN fibre ports
- C. Lower SAN fabric costs
- D. Lower SAN backup costs

Answer: A

QUESTION 138:

A customer named Certkiller .com has ten IBM @Server pSeries serves, with each system having a

dedicated set of IBM TotalStorage Serial Disk Systems (7133) with a total of 5 TB of data. The customer is planning to consolidate their storage in an IBM TotalStorage EnterpriseStorage Server (2105) to better serve their data warehouse application. Only two hours of downtime are available for migration. Which of the following is the best method to migrate the data?

- A. Backup data to tape and restore on the new IBM 2105.
- B. Reinstall IBM 7133 drawers in an IBM 2105 Expansion frame.
- C. Host Mirror the data from the IBM 7133 drawers to the IBM 2105.
- D. Stop processing, initiate copy command to copy data to the new IBM 2105.

Answer: C

QUESTION 139:

A customer named Certkiller .com is converting from standalone DLT tape to an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584). Near the completion of the conversion, the customer indicates a requirement to have the ability to recovery offsite DLT tape for a period of one year. Which of the following is the best recommendation the storage specialist can make to the customer?

- A. Add an IBM 3584-D32 frame to the existing IBM 3584.
- B. Add two DLT drives to the existing IBM 3584.
- C. Retain some of the existing DLT drives.
- D. Convert all offsite tapes to LTO.

Answer: C

QUESTION 140:

A customer named Certkiller .com has an IBM TotalStorage EnterpriseStorage Server (2105) and wants to upgrade Licensed Internal Code (LIC) with additional disks installed. Which of the following resources is needed for the installation?

- A. IBM Global Services
- B. IBM Business Partner
- C. IBM Customer Engineer
- D. Customer can perform on their own

Answer: C

QUESTION 141:

All of the following should be part of an environmental review EXCEPT

- A. Power requirements
- B. Cooling requirements

- C. Security access
- D. Floor space

Answer: C

QUESTION 142:

A customer named Certkiller .com 300 GB of data that needs to be backed up on a nightly basis, between midnight and 1:30 a.m. With a direct attached IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584), what is the minimum number of Ultrium 2 drives (without compression) theoretically required?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: B

QUESTION 143:

Exhibit.*** MISSING ***

Which of the following would be the most likely operational effect of moving from a local backup of the Oracle database on the Wolfcreek silo to the network backup using the IBM Tivoli Storage Manager?

- A. An increase in the number of tape cartridges.
- B. A decrease in the number of tape cartridges required.
- C. Creation of offsite tapes will require a separate utility.
- D. Faster database restores.

Answer: B

QUESTION 144:

Exhibit.

A customer is running Oracle V8 on a Sun server, connected to an EMC Symmetrix disk array. The database is 1 TB in size and produces about 1 GB of archive logs per day. The customer is using RMAN to back up the Oracle database to a Wolfcreek tape silo. The customer has recently embarked on a technology update program and wants to eliminate hardware that has poor total cost of ownership. As part of this program, the customer wants to replace the Sun server with an IBM @Server pSeries server, the Wolfcreek silo with an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) and IBM Tivoli Storage Manager, and the EMC Symmetrix with an IBM TotalStorage Enterprise Storage Server(2165)

Which of the following methods of migration would provide minimum outage to the customer?

- A. Establish a Peer-to-peer connection between the EMC Symmetrix and IBM 2105. Mirror database between disk subsystems. Stop production. Start database on the IBM pSeries server.
- B. Stop production. NFS mount the IBM 2105 disk onto the Sun machine and copy the databases across the Giga Ethernet network. Back up the database to IBM Tivoli Storage Manager. Restart production on the IBM pSeries server.
- C. Stop production. Back up the Oracle database using the IBM Tivoli Storage Manager Data Protection for Databases. Restore the database to the IBM @Server pSeries server and then start production on the IBM pSeries server.
- D. Perform an online backup of the database to the IBM Tivoli Storage Manager. Restore the backup to the IBM pSeries server. Stop production, copy accumulated archive logs to the IBM pSeries and roll the database forward. Start production on the IBM pSeries Server.

Answer: D

QUESTION 145:

Exhibit.

A customer is running Oracle V8 on a Sun server, connected to an EMC Symmetrix disk array. The database is 1 TB in size and produces about 1 GB of archive logs per day. The customer is using RMAN to back up the Oracle database to a Wolfcreek tape silo. The customer has recently embarked on a technology update program and wants to eliminate hardware that has poor total cost of ownership. As part of this program, the customer wants to replace the Sun server with an IBM @Server pSeries server, the Wolfcreek silo with an IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) and IBM Tivoli Storage Manager, and the EMC Symmetrix with an IBM TotalStorage Enterprise Storage Server(2165)

The customer is going to use RAID 5 on the new IBM 2105. If restore time is an important issue, when is the best time to convert to RAID 5?

- A. After migrating the database to the IBM 2105, but before starting production.
- B. Any time after migrating the database from the EMC Symmetrix disk array.
- C. After starting production on the IBM @Server pSeries server.
- D. Before migrating the database onto the IBM 2105.

Answer: D

QUESTION 146:

Which of the following RAID level the highest level of performance and data availability?

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

Answer: B

QUESTION 147:

What is the primary difference between NAS and iSCSI?

- A. NAS is file I/O and iSCSI is block I/O optimized.
- B. NAS is block I/O and iSCSI is file I/O optimized.
- C. iSCSI can only operate on Gigabit Ethernet.
- D. NAS supports only NFS and iSCSI supports only CIFS

Answer: A

QUESTION 148:

Which of the following best describes Serial Storage Architecture?

- A. High speed token passing disk interface protocol
- B. Serial loop architecture supporting SCSI protocols
- C. Synchronous disk interface protocol
- D. Arbitrated loop interface protocol

Answer: B

QUESTION 149:

A customer named Certkiller .com has two heterogeneous servers that will connect to an existing tape library. The customer currently has an IBM TotalStorage EnterpriseTape Library (3494) with two IBM TotalStorage EnterpriseTape Drive (3590) Model E drives. The storage capacity of the library is not sufficient. Which of the following is the most cost-effective solution?

- A. An IBM TotalStorage Enterprise Tape Drive Expansion Frame (3494-D12), plus two IBM 3590 tape drives and an IBM TotalStorage Enterprise Tape Storage Frame (3494-S10).
- B. An IBM TotalStorage LTO Ultrium Scalable Library (3583) Model L72 with four IBM LTO drives.
- C. An additional IBM 3494 Model D12 with two IBM 3590 tape drives.
- D. An IBM 3590 Model E to Model H upgrade for existing drives.

Answer: D

QUESTION 150:

A customer named Certkiller .com has an IBM SSA RAID-1 disk subsystem installed on two IBM @ Server pSeries server in an HACMP clustered environment. The HACMP cluster is designed for mutual takeover. Which of the following actions, if any, should be taken in the event of a disk failure?

- A. The cluster should be stopped, the disk replaced, the volume group re-synchronized, and the cluster restarted.
- B. The disk should be replaced, and the volume group re-synchronized, but the cluster does not need to be restarted.
- C. The disk should be replaced, the volume group re-synchronized, and the cluster re-integrated.

D. Rebuilt the RAID-1 array and power-off and power-on the SSA disk subsystem.

Answer: B

QUESTION 151:

When selecting an automated solution for cost-effective storage of 5 TB using IBM Tivoli Storage Manager for Space Management (HSM), which of the following is the most appropriate choice?

- A. IBM TotalStorage Enterprise Tape Library (3494)
- B. IBM TotalStorage LTO Ultrium Scalable Library (3583)
- C. IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584)
- D. IBM Optical Library Dataserver (3995)

Answer: B

QUESTION 152:

The IBM TotalStorage Specialist for LTO Library enables which of the following features?

- A. Enhanced Communications with the LTO and IBM TotalStorage Enterprise Storage Server Expert
- B. LAN free backup with LTO and Tivoli Storage Manager
- C. Remote Management Capability with the LTO
- D. DLT support with the LTO

Answer: C

QUESTION 153:

How many host attachments can be made in one loop utilizing the IBM SSA 6230 adapter?

- A. Two RAID or four non-RAID
- B. Two RAID or eight non-RAID
- C. Four RAID or eight non-RAID
- D. Eight RAID or eight non-RAID

Answer: B

QUESTION 154:

Which of the following tools may require training in order to configure the IBM TotalStorage EnterpriseStorage Server (ESS)?

- A. IBM TotalStorage ESS Specialist
- B. IBM TotalStorage ESS Expert
- C. IBM AIX Logical Volume Manager

D. IBM Tivoli Storage Manager

Answer: A

QUESTION 155:

Which of the following will decrease I/O performance?

- A. Spread all hot LVs over more than one drive.
- B. Routinely monitor system performance.
- C. Use SDD with multiple adapters.
- D. Enable mirror write consistency.

Answer: D

QUESTION 156:

Three drives of the IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) are backing up data being used by Tivoli Storage Manager (TSM). A tape drive fails and is taken offline by TSM. Which of the following will be an impact of TSM on the customer?

- A. TSM will take the tape library off line.
- B. TSM will take remaining tape drives off line.
- C. TSM will use the remaining drives to complete operations.
- D. TSM will no longer perform reclamation.

Answer: C

QUESTION 157:

Which of the following best describes the term "Spatial Reuse"?

- A. The automatic relocation of data to more effectively utilize disk space.
- B. The ability to perform simultaneous transfers on a single loop.
- C. The ability to allocate disks in closest proximity to a using host.
- D. The ability to keep as much data as possible in the smallest footprint.

Answer: B

QUESTION 158:

When SAN attaching an LTO and a server, which of the following is the first place to check when determining the appropriate Host Bus Adapter for the server?

- A. Server Manufacturer Website
- B. Switch Manufacturer Website

- C. Storage Manufacturer Website
- D. SNIA Website

Answer: C

QUESTION 159:

A customer named Certkiller .com has an IBM TotalStorage FAStT900 Storage Server with 2 TB of capacity using 72.8 GB disks. The customer has added another application and needs to expand their current IBM FAStT900 capacity by 800 GB. Which of the following is the most cost-effective way to meet the customer's requirement?

- A. Purchase another IBM FAStT900 with 800 GB.
- B. Add an IBM EXP300 Storage Expansion Unit populated with 72.8 GB disks.
- C. Add an IBM FAStT EXP700 Storage Expansion Unit populated with 72.8 GB disks.
- D. Upgrade the IBM FAStT900 to an IBM TotalStorage Enterprise Storage Server with 2.8 TB.

Answer: C

QUESTION 160:

If an IBM SSA adapter is used, what is the maximum amount of non-RAID disk capacity that can be configured using 18 GB drives?

- A. 648 GB
- B. 864 GB
- C. 1728 GB
- D. 2268 GB

Answer: C

QUESTION 161:

Which of the following is an accurate characterization of the cache implementation in IBM TotalStorage EnterpriseStorage Server?

- A. Doubling cache size generally doubles the cache hit rate.
- B. New/changed data written to cache is protected by a copy in another cache.
- C. Read cache is protected by a battery against loss of external power for 48 hours.
- D. Cache is designed to improve the performance of applications with poor locality of reference.

Answer: B

QUESTION 162:

Which of the following products connects a SCSI-based IBM TotalStorage Ultrium Scalable

Library (3583) to two Fibre Channel connections on a SAN?

- A. SAN Data Gateway
- B. SAN Router
- C. SAN Switch
- D. SAN Hub

Answer: A

QUESTION 163:

A customer named Certkiller .com wants to implement an IBM TotalStorage EnterpriseStorage Server with four FC host bus adapters for 20 Windows server. All the Windows servers currently have one FC-AL adapter each. Which of the following is the most favorable priced option for the customer to achieve the required connectivity?

- A. One 2031-224 McDATA Sphereon 4500
- B. Two IBM TotalStorage SAN Controller 160 (SLIC router)
- C. Two IBM TotalStorage SAN Switch M12 (2109)
- D. For IBM TotalStorage SAN Switch F08 (3534)

Answer: A

QUESTION 164:

Which of the following is a feature of optical storage solutions?

- A. Ablative WORM technology does not allow data to be re-written.
- B. Access rates of optical devices are typically in sub-seconds.
- C. High availability and fault tolerance can be implemented.
- D. Continuous Composite Write-Once (CCW) is a function of the firmware.

Answer: A

QUESTION 165:

An installation has multiple heterogeneous hosts, each with its own disk storage. Which of the following is the most significant benefit of consolidating this storage into a single IBM TotalStorage EnterpriseStorage Server?

- A. Higher data capacity
- B. More efficient hierarchical storage management
- C. Reassignment of disk capacity among attached hosts
- D. True data sharing of files

Answer: C

QUESTION 166:

A customer named Certkiller .com needs dual-path capability for tape drives attached to an IBM @ Server pSeries server. Which of the following tape drives is able to perform this function?

- A. IBM TotalStorage Enterprise Tape Drive(3590) Model H11
- B. IBM TotalStorage LTO Ultrium Tape Drive (3580) Model L23
- C. IBM TotalStorage 8mm Mammoth Tape Drive (7208) Model 345
- D. IBM TotalStorage DLT Drive (7205) Model 550

Answer: A

QUESTION 167:

Which of the following best describes the difference between NAS (network Attached Storage) and SAN (Storage Area Networks)?

- A. NAS does not provide heterogeneous file sharing capabilities, while SAN devices enable heterogeneous file sharing.
- B. NAS utilizes storage devices accessible to all servers on a network, while SAN refers to intelligent storage devices used to control the flow of data between servers.
- C. NAS devices use block level I/O commands to access data across an IP network, while SAN devices use block level I/O commands to access data across a dedicated Fibre Channel network.
- D. NAS is technology wherein a storage appliance connects directly to an IP network, while SAN is a high bandwidth network that uses storage protocols for moving data between heterogeneous server and storage resources.

Answer: D

QUESTION 168:

The fastest average access time to the first byte of data occurs on which of the following IBM products?

- A. IBM LTO
- B. IBM FAStT Disk
- C. IBM Magstar MP
- D. IBM Optical Library Dataserver

Answer: B

QUESTION 169:

A customer named Certkiller .com is considering a centralized storage solution for all the new Intel and Unix servers they bring into their data center. They have met with EMC and HP, and will soon

meet with an IBM Business Partner. The customer wants to know if the SSA disk in the IBM TotalStorage EnterpriseStorage Server is proprietary. Which of the following responses aligns itself with the IBM TotalStorage solution strategy?

- A. SSA provides the customer with non-arbitrated access to the disks.
- B. SSA disk is also used in LSI storage products.
- C. SSA is an open published standard.
- D. SSA is used in the IBM TotalStorage Serial Disk System (7133-D20).

Answer: C

QUESTION 170:

IN an IBM @Server zSeries environment, a customer is using the IBM TotalStorage EnterpriseTape Library (3494). The company will purchase a new IBM Tivoli Storage Manager server of an IBM @Server pSeries server for their open systems application backup requirements. Which of the following additional components are needed?

- A. Add one IBM 3494-D 12 frame to the existing IBM 3494 with four IBM TotalStorage Enterprise Tape Drive (3590) Model H1A drives.
- B. Add one IBM 3494-D14 frame to the existing IBM3494 with four IBM 3590-E-A drives.
- C. Add one IBM 3494-D14 frame to existing IBM 3494 with six IBM 3590-E1A drives.
- D. Add one IBM TotalStorage LTO UltriumUltraScalable Tape Library Expansion Frame (3581-D32) to the existing IBM 3494 with 4 IBM TotalStorage LTO Ultrium Tape Drives (3580-L11).

Answer: A

QUESTION 171:

All of the following are benefits of Storage Area Networks (SANs) EXCEPT

- A. Fault tolerance is a standard feature.
- B. Total cost of storage can be reduced.
- C. Disk storage can be scaled independently of a host processor.
- D. One copy of data can be accessed by multiple servers.

Answer: A

QUESTION 172:

LTO Ultrium 2 technology has which of the following characteristics?

- A. 384 data tracks with 100 GB of native capacity
- B. 384 data tracks with 200 GB of native capacity
- C. 521 data tracks with 100 GB of native capacity
- D. 512 data tracks with 200 GB of native capacity

Answer: D

QUESTION 173:

A customer named Certkiller .com has an IBM TotalStorage EnterpriseTape Library Base Frame (3494) Model L12 with 16 IBM TotalStorage EnterpriseTape Drive (3590) Model B1A drives in 16 frames. The environment is SCSI only. Which of the following growth options is most appropriate for the SCSI environment?

- A. Add storage frames.
- B. Add a second accessor.
- C. Convert the IBM 3590-B1A drives to IBM 3590-H1A drives.
- D. Convert the IBM 3494-L12 to an IBM 3494-L14.

Answer: C

QUESTION 174:

When using the FlashCopy feature on an IBM TotalStorage EnterpriseStorage Server (2105) with the NO COPY option, how much storage capacity must be allocated for copy purposes?

- A. As much as the modification needs.
- B. The same size as the master in the same logical subsystem.
- C. 10% of the master's capacity.
- D. 20% of the master's capacity.

Answer: B

QUESTION 175:

Which of the following describes the greatest advantage of optical disk storage?

- A. It has longer shelf life and WORM capability
- B. The cost per megabyte of stored data is less than magnetic tape.
- C. The read-write performance is the same as a standard hard drive.
- D. The cost per megabyte of stored data is less than standard hard drives.

Answer: A

QUESTION 176:

Which of the following are the key advantages of the IBM TotalStorage LTO Ultrium 358X over Digital Linear Tape (DLT7205)?

- I. Higher data rate
- II. Higher cartridge capacity

- III. Faster time to data
- IV. Cartridge memory chip

- A. I and II only
- B. I, II and IV only
- C. I, II, and III only
- D. I, II, III and IV

Answer: D

QUESTION 177:

Which of the following is the main purpose of primary cache in an IBM TotalStorage FASTT Storage Server?

- A. Servers as a conduit for all read requests
- B. Provides for storage of error reports
- C. Maintains all RAID hierarchies
- D. Stores performance reports

Answer: A

QUESTION 178:

A customer named Certkiller .com wants to implement Oracle on an IBM storage solution. Oracle has asked for the disk to be striped and mirrored. Which of the following is the correct RAID level?

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

Answer: A

QUESTION 179:

A large company wants to buy 1800 NAS filers that will be installed across the country. The competition has been narrowed down to IBM and Dell. Which of the following would be the main reason why the customer would choose IBM?

- A. IBM's NAS is the only product that has HTTP capabilities.
- B. IBM's NAS product includes IBM Director and predictive maintenance.
- C. IBM has validated the NFS functionalities of the NAS Operating System.
- D. IBM can compress data exchanges between the client and NAS.

Answer: B

QUESTION 180:

A customer named Certkiller .com has six IBM @Server xSeries and four HP-UX servers. The customer recently read about IBM's FAStT900 technology. What would the documentation have indicated about the number of storage partitions that an IMB FAStT900 can support?

- A. Up to 64 FC-AL partitions
- B. Up to 8 controller-based partitions
- C. Up to 64 controller-based partitions
- D. Up to 16 controller-based or FC-AL based partitions

Answer: C

QUESTION 181:

A customer named Certkiller .com application requires restoring multiple single files. Which of the following tape drives will offer the highest performance for this application?

- A. IBM TotalStorage LTO Ultrium Tape Drive (3580) Model L11
- B. IBM TotalStorage LTO Ultrium Tape Drive (3580) Model L23
- C. IBM TotalStorage 8mm Mammoth Tape Drive (7208) Model 345
- D. IBM TotalStorage DLT Drive (7205) Model 550

Answer: B

QUESTION 182:

A customer named Certkiller .com has a dual controller IBM TotalStorage FAStT200 Storage Server. What is the maximum number of expansion drawers that can be attached?

- A. 5
- B. 6
- C. 7
- D. 8

Answer: A