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Exam : 000-387

Title : IBM Open Systems Storage Solutions, Version 3

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**QUESTION 1:**

Refer to the exhibit to answer the question.

A customer wishes to use IBM Tivoli Storage Manager to back up five Windows W2K 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.

Which of the following would be the most appropriate storage device in order to provide the best long-term solution?

- A. IBM TotalStorage SDLT Tape Drive (7205)
- B. IBM TotalStorage LTO Ultrium Tape Library (3582)
- C. IBM TotalStorage LTO Ultrium scalable Library (3583)
- D. IBM TotalStorage LTO Ultrium scalable Library (3584)

Answer: C

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**QUESTION 2:**

Refer to the exhibit to answer the question.

A customer wishes to use IBM Tivoli Storage Manager to back up five Windows W2K 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.

What would be the minimum library capacity for this customer?

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

Answer: B

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### **QUESTION 3:**

Refer to the exhibit to answer the question.

A customer wishes to use IBM Tivoli Storage Manager to back up five Windows W2K 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.

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

- A. 1
- B. 2
- C. 3
- D. 5

Answer: B PHOTO

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#### **QUESTION 4:**

Certkiller .com has three Windows 2000 servers, each with 100 GB of data. It is recommended that an IBM Tivoli Storage Manager disk pool of storage be used for daily backup. Assuming a 10% change rate, how much disk space needs to be added to the IBM Tivoli Storage Manager server for incremental backups?

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

Answer: B

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#### **QUESTION 5:**

Certkiller .com has two IBM TotalStorage Enterprise Storage Servers (ESS) Model F20 using PPRC. During testing, the customer connects the to 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 fiber cable with repeaters
- B. FICON over dark fiber cable with repeaters
- C. SSA optical extenders with dark fibers
- D. Fiber Channel over IP

Answer: A

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#### **QUESTION 6:**

Certkiller .com has a requirement for 10 TB of data to be stored onto tape. If the customer wants the most cost-effective solution, the best technology choice would be:

- A. IBM TotalStorage LTO Ultrium 2 Tape Library (3582)
- B. IBM TotalStorage LTO Ultrium Scalable Library (3583)
- C. IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584)
- D. IBM TotalStorage Enterprise UltraScalable Tape Library (3584)

Answer: B

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#### **QUESTION 7:**

Certkiller .com is running an SAP R/3 application using Oracle Parallel Server as the database manager on a IBM eServer 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 Gateway 500
- B. IBM TotalStorage EXP Plus
- C. IBM TotalStorage FAStT Storage server
- D. IBM TotalStorage Enterprise Storage server

Answer: A

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#### **QUESTION 8:**

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. Performance and cost are key requirements. Which of the following is the best solution?

- A. IBM SDLT Drive (7205) Model 550
- B. IBM TotalStorage LTO Ultrium Tape Autoloader (3581)
- C. IBM TotalStorage Enterprise Tape Drive (3590) Model H11

D. IBM TotalStorage Enterprise Tape Drive (3592) Model J1A

Answer: B

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**QUESTION 9:**

Certkiller .com has a requirement to implement a centralized disk storage solution to support three IBM eServer 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

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**QUESTION 10:**

Certkiller .com mentions that they are evaluating Advanced Intelligent Tape (AIT) for their open server environment. Which of the following best describes AIT technology?

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

Answer: A

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**QUESTION 11:**

Certkiller .com has the following:

- n a small IBM mainframe
  - n six Sun servers
  - n two IBM eServer pSeries servers
  - n two HP-UX servers
  - n 20 Intel servers sharing an EMC Symmetrix 3930 with 4 TB of raw disk capacity
- Certkiller 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. Which of the following disk products would provide the most effective solution?

- A. IBM TotalStorage Enterprise Storage Server
- B. IBM TotalStorage Serial Disk System
- C. IBM TotalStorage FAStT Storage Server
- D. IBM TotalStorage NAS Gateway 500

Answer: C

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**QUESTION 12:**

Certkiller .com needs 2 TB of disk capacity for a streaming video application. The most appropriate and cost-effective IBM disk drive technology would be:

- A. 72.8 GB FC
- B. 146.8 GB FC
- C. 250 GB PATA
- D. 250 GB SATA

Answer: D

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**QUESTION 13:**

Which of the following is a primary feature of the IBM 2062-D01 Cisco MDS 9216 Multilayer Fabric Switch?

- A. Low cost
- B. Small footprint
- C. Application Hosting/Virtualization
- D. Modular upgrade to IP

Answer: D

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**QUESTION 14:**

Which of the following is an advantage of the IBM TotalStorage NAS Gateway 500 product offering?

- A. Operating system optimized for NFS
- B. 250 persistent True image data views
- C. The hacmp CONFIGURATION IS DONE BY THE CUSTOMER IN THIS csu PRODUCT
- D. Windows powered OS

Answer: A

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**QUESTION 15:**



Certkiller .com with an IBM eServer pSeries server wants to attach an IBM TotalStorage Enterprise Storage server 2105 (ESS) AND NEEDS TO know the pSeries Fiber Channel adapter card is at the latest firmware level. Which of the following is the fastest way for the customer's administrator to determine the latest supported microcode level?

- A. Call TechLine
- B. Access the IBM storage Website
- C. Contact an IBM Storage Specialist
- D. Read the ESS Redbook.

Answer: B

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**QUESTION 16:**

Two Windows 2000 servers are located 10 kilometers from the IBM TotalStorage FAStT900 Storage Server. The customer would like to have two Fiber Channel adapters in each Windows 2000 server. How many IBM Fiber Channel work station switches would be required for high availability?

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

Answer: D

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**QUESTION 17:**

After a long competitive sales cycle, the customer has decided to implement their first centralized storage solution on the IBM TotalStorage FAStT900 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. Business Consulting Services
- C. Business Continuance Services
- D. Planning and implementation Services

Answer: D

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**QUESTION 18:**

Certkiller .com has reviewed storage specialist's proposal for a centralized disk solution supporting Sun, HP, IBM eServer pSeries and iSeries 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 would be 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

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**QUESTION 19:**

Certkiller .com is considering purchasing an IBM TotalStorage FAStT900 Storage Server to accommodate future growth for a critical application. Certkiller is questioning how they will administrator the storage system. Which three of the following options can be used for setup 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

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**QUESTION 20:**

Certkiller .com requires off-site storage for 500 GB per night in backups. The backup site is 350 miles (560 km) 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 for the data center?

- A. Install IBM Tivoli Storage Manager and IBM TotalStorage EnterpriseTape Drive at backup site.
- B. Install an HACMP environment and mirror data.
- C. Ship nightly backup tapes remote site.
- D. Make online image backups.

Answer: C

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**QUESTION 21:**

After an initial meeting with an SMB customer a storage specialist learns the following about the customer environment

-- Windows 2000

n 16 servers, all with a minimum of 60 GB of internal storage

n business is rapidly growing

n Goal is to minimize complexity

n Key issue is total cost of ownership

What is the appropriate next step that the storage specialist should take?

- A. Explain to the customer how the completion of an IBM Solution Assurance Review helps ensure a successful and timely solution implementation
- B. Conduct a skills set assessment to determine the customer's capabilities.
- C. Hold a follow-up meeting to present a centralized solution to the customer.
- D. Take the customer to an IBM TotalStorage Solution Center to see the benefits of the IBM TotalStorage ENTERPRISE SERVER

Answer: B

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**QUESTION 22:**

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

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**QUESTION 23:**

Which of the following is NOT a competitive advantage associated with IBM TotalStorage FASTT Storage Servers?

- A. Updating disk drive firmware code without taking the disk drive off line
- B. Dynamically adding a single disk drive to a RAID 5 array and growing the capacity of the RAID array
- C. Dynamically changing a RAID array from RAID 5 to RAID 3 while the customer maintains access to the data

D. Moving a single RAID array from one FAST controller to another controller maintaining the data on the disks.

Answer: A

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**QUESTION 24:**

Certkiller .com has 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

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**QUESTION 25:**

Certkiller .com has an I/O intensive, cache unfriendly application. Which of the following would have the most effect on performance?

- A. Cache in disk subsystem
- B. Memory in server
- C. Disk drive spindles
- D. Write cache

Answer: C

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**QUESTION 26:**

Certkiller .com is interested in updating their infrastructure to provide data replication capabilities between their corporate offices and a salesoffice 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 500 with NSI Doubletake
- B. IBM TotalStorage FAStT900 Storage Server with FlashCopy
- C. IBM TotalStorage enterprise Storage Server with PPRC-XD
- D. IBM TotalStorage ENTERPRISE Storage Server WITH xrc

Answer: C

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**QUESTION 27:**

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

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

Answer: C

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**QUESTION 28:**

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. AIT

Answer: A

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**QUESTION 29:**

Which of the following attachment cards is used to connect an IBM TotalStorage enterprise Tape Drive (3590) to an IBM Eserver pSeries server?

- A. SSA Adapter
- B. Ultra3 SCSI RAID Adapter
- C. Ultra SCSI differential Adapter
- D. Ultra SCSI Single -ended Adapter

Answer: C

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**QUESTION 30:**

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

- A. DISTANCE

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

Answer: A

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**QUESTION 31:**

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 FAStT600 Storage Server. The Intel-based Linux servers are going to be located less than 50 meters from the IBM FAStT 600. The customer would like to have two Fiber Channel adapters in each Linux Server. How many IBM TotalStorage SAN Switches (3534-F08). If any, are required for high for high availability?

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

Answer: A

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**QUESTION 32:**

Which of the following is a competitive advantage of the IBM TotalStorage FAStT900 Storage Server compared to FAStT 600 Storage server?

- A. FlashCopy
- B. Improved performance regarding I/O PER SECOND
- C. Additional host configuration options
- D. Better risibility availability and serviceability (RAS) characteristics

Answer: B

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**QUESTION 33:**

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

- A. Review the data migration plan with the customer.
- B. Review environmental 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 Solution Assurance Product Review process in cooperation with the customer.

Answer: D

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**QUESTION 34:**

Certkiller .com current backup environment uses IBM Tivoli Storage Manager over the corporate 100BaseT 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 level. 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 Network.
- B. Add more tape drives 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 MANAGER FOR space Management

Answer: A

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**QUESTION 35:**

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 will have the most significant immediate effect if the implementation is successful?

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

Answer: A

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**QUESTION 36:**

Certkiller .com 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 IBM products would best fit the company's needs?

- A. Tivoli Storage Manager Base Edition
- B. Tivoli Storage Manager Extend Edition

- C. Tivoli Storage Manager with server to server communications
- D. Tivoli Storage Manager for System Backup and Recovery

Answer: B

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**QUESTION 37:**

Who should be involved in completing the installation schedule for an IBM TotalStorage Enterprise Storage Server (2105)?

- I. Customer personnel
- II. IBM Customer Engineer
- III. Business Partner or IBM Sales Representative
- IV. Techline personnel

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

Answer: C

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**QUESTION 38:**

Certkiller .com has ordered a fully redundant dual power supply with a storage system. Which of the following is an important requirement to ensure high power availability?

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

Answer: C

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**QUESTION 39:**

Certkiller .com has multiple Windows server 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 Gateway
- C. IBM TotalStorage FAStT Storage Server
- D. IBM TotalStorage SAN File System



Answer: B

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**QUESTION 40:**

Certkiller .com has several IBM eServer pSeries servers with multiple Fiber Channel adapters attached to an IBM TotalStorage Enterprise Storage server. Which of the following provides alternate path failover and load balancing?

- A. RDAC
- B. Logical Volume Manager
- C. Subsystem Device Driver
- D. IBM TotalStorage ESS Export

Answer: C

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**QUESTION 41:**

Certkiller .com currently has multiple Sun Solaris servers and wants 500 GB of new storage capacity to be partitioned among these processors. The storage would be replacing older Fiber Channel disks currently attached to the Sun processors. The customer is also planning to migrate the Sun systems to HP-UX platforms in a few months and wants to preserve as much of the new disk subsystem investment as possible at that time. If cost is a primary consideration, which of the following IBM storage systems would be the preferred choice?

- A. IBM TotalStorage SAN Volume Controller
- B. IBM TotalStorage Enterprise Storage Server
- C. IBM TotalStorage FAStT 700 Storage Server
- D. IBM TotalStorage NAS Gateway 500

Answer: C

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**QUESTION 42:**

Certkiller .com has IBM Eserver pSeries server, with each system having a dedicated set of IBM TotalStorage Serial Disk System (7133) with a total of 5 TB of data. The customer is planning to consolidate their storage in an IBM TotalStorage Enterprise Storage Server (2105) to better serve their 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

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**QUESTION 43:**

Which of the following is NOT a key element in Certkiller .com'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

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**QUESTION 44:**

The customer is experiencing intermittent performance problems and believes that the problem is SAN related. What tool would best assist in finding intermittent SAN problems?

- A. McDATA SAN Pilot
- B. IBM Tivoli Resource Storage Manager
- C. Verities Solstice Storage Suite
- D. IBM Tivoli SAN MANAGER

Answer: D

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**QUESTION 45:**

Certkiller .com has an IBM TotalStorage FAStT 500 Storage Server with five full EXP500 drawers. They now require an additional 1 TB of raw capacity. Which of the following would be the best upgrade option to recommend in order to minimize the cost to the customer?

- A. Add one refurbished EXP500 drawer with seven (7) 146 GB drives to the IBM FAStT 500.
- B. Add one EXP700 drawer with FOURTEEN (14) 72.8 GB drives to the IBM FAStT 500.
- C. Add an IBM FAStT 600 with seven 146 GB drives.
- D. Add an IBM TotalStorage Enterprise Storage Server with four (4) eight-packs of 36 GB drives.

Answer: A

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**QUESTION 46:**

The end-user currently has an IBM TotalStorage LTO Ultrium Scalable Library (3583) with two Ultrium 1 drives with a 12-slot cartridge I/O station. 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 UltrasCABLE tape Library (3584-L32)
- B. Upgrade the existing library with an additional 12-slot cartridge I/O station.
- C. Add storage columns providing additional capacity.
- D. Replace Gen1 cartridge with Gen II cartridges.

Answer: C

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**QUESTION 47:**

Certkiller .com has two IBM eServerpSeries servers in an HACMP clustered environment attached to an IBM TotalStorage FAStT Storage Server in a RAID 1 configuration. 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 resynchronized and the cluster restarted
- B. The disk should be replaced
- C. The disk should be replaced the volume group re-synchronized and the cluster re-integrated.
- D. The RAID 1 array should be manually rebuilt on the FAStT and the volume group resynchronized.

Answer: B

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**QUESTION 48:**

A database administrator knows an application will be highly 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 10

Answer: A

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**QUESTION 49:**

During backup using IBM Tivoli Storage Manager (TSM), a tape drive. In a IBM TotalStorage LTO Ultrium UltraScalable Tape Library (3584) with a total of 3 drives, fails and is taken off-line by TSM. Which of the following actions should be taken to recover?

- A. Pause the tape library and repair the drive.
- B. Take the remaining tape drives off line, and repair the failing drive.
- C. Use the remaining drives to complete operations and repair later.
- D. Vary drive online and restated the job.

Answer: C

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**QUESTION 50:**

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

- A. Enhanced Communications with the LTO and IBM TotalStorage 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

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**QUESTION 51:**

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 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 TotalStorage SAN file System

Answer: A

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**QUESTION 52:**

Certkiller .com currently has an IBM TotalStorage Enterprise Tape Library (3494) connected to a UNIX server. The configuration currently includes:

n One 3494-L12 frame with no tape drives, and

n One 3494-D12 frame with two 3590-H1A tape drives

They would like to add (2) 3592-J1A tape drives to the library. Which of the

following is a viable upgrade option?

- A. Add 3592 drives to the 3494-L12 frame.
- B. Add 3592 drives to the 3494-D12 frame.
- C. Add 3494-D22 frame and 3592 drives.
- D. Add 3494-D24 frame and 3592 drives.

Answer: C

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**QUESTION 53:**

Which of the following tools may require training in order to analyze the performance of the IBM TotalStorage Enterprise Storage Server?

- A. IBM TotalStorage ESS Specialist
- B. IBM TotalStorage Expert
- C. IBM TotalStorage Configurator
- D. IBM Tivoli Storage Manager

Answer: B

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**QUESTION 54:**

Certkiller .com has an application for sequential data access. This application is 500 GB and will use five or six disk drives. Which of the following device interface will give customer the best price/performance characteristics?

- A. SSA
- B. FC-AL (1GB)
- C. Ultra3 SCSI
- D. FCP (2 GB)

Answer: C

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**QUESTION 55:**

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

- A. IBM TotalStorage Enterprise Tape Drive (3592-J1A)
- B. IBM TotalStorage Enterprise Tape Drive (3590-H1A)
- C. IBM TotalStorage LTO Ultrium Tape Drive (3580-L13)
- D. IBM TotalStorage LTO Ultrium Tape Drive (3580-L23)

Answer: A

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**QUESTION 56:**

Which of the following is a primary benefit to Brocade SAN switch trunking?

- A. Inter-connection of 1 GB and 2 Gb switches
- B. Port speed auto-negotiation
- C. Increased ISL bandwidth
- D. Fabric zone configuration propagation

Answer: C

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**QUESTION 57:**

Certkiller .com is currently using an IBM TotalStorage Enterprise Storage 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 SAN File System
- B. IBM TotalStorage SAN Volume Controller
- C. IBM TotalStorage NAS Gateway 500
- D. IBM TotalStorage MDM

Answer: C

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**QUESTION 58:**

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. Nas IS CONNECTED VIA A lan, AND Iscsi IS CONNECTED VIA A san.
- D. Nas IS CONNECTED VIA A san, AND IsCSI IS CONNECTED VIA A lan.

Answer: A

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**QUESTION 59:**

Which of the following applications would most likely generate I/O intensive workloads?

- A. Data Warehouse
- B. OLTP
- C. Medical Imaging
- D. CAD/CAM

Answer: B

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**QUESTION 60:**

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

- A. One 2031-224 McDATA Sphereon 4500
- B. One 2062-D01 Cisco 9216
- C. Two IBM TotalStorage SAN Switch M12 (2109)
- D. Four IBM TotalStorage san switch F08 (3534)

Answer: A

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**QUESTION 61:**

Certkiller .com has 10 servers including Windows, Solaris and AIX that need direct access to a common tape library. Which of the following tape is the most cost effective way to meet this requirement?

- A. IBM TotalStorage Ultrium Tape Autoloader (3581)
- B. IBM TotalStorage Ultrium Tape Library (3582)
- C. IBM TotalStorage Ultrium Scalable Tape Library (3583)
- D. IBM TotalStorage Ultrium UltraScalable Tape Library (3584)

Answer: D

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**QUESTION 62:**

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 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

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**QUESTION 63:**

Which of the following is required in order to create a FlashCopy using an IBM



TotalStorage SAN Volume Controller?

- A. The Subsystem Device Driver software is loaded on the client
- B. PUTTY Secure Copy (PSCP) is property configured
- C. A FlashCopy managed disk group is created
- D. The source and target virtual disks are the same size

Answer: D

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**QUESTION 64:**

The use of a larger disk segment size (e.g., 128k versus 8k) will likely have the most positive impact on throughput for which two of the following types of 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. II and III
- D. III and IV

Answer: C

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**QUESTION 65:**

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

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

Answer: A

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**QUESTION 66:**

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 heterogenous processors exists.

Answer: B

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**QUESTION 67:**

The IBM TotalStorage FAStT "Service Alert" is used to monitor:

- A. system status, and it e-mails the customer when problems occur
- B. system status, and it pages the customer when problems occur
- C. the system environment and provides control of power fan, and controller activities.
- D. System health, and it automatically notifies the IBM SUPPORT center via e-mail when a problems occur.

Answer: D

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**QUESTION 68:**

Certkiller .com has the following configuration:

n 4 IBM eServer Xseries server

n 1 SAN FC switch

n 1 IBM TotalStorage FAStT900 Storage Server

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

- A. Install an IBM TotalStorage LTO Ultrium Scalable Library (3583) 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 ppr SOFTWARE

Answer: C

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**QUESTION 69:**

Which of the following provides multi path failover for a server connected to an IBM TotalStorage FAStT Storage server?

- A. Remote Mirror (RM)
- B. Redundant Disk Array Controller (RDAC)

- C. Persistent Storage Manager (PSM)
- D. Subsystem Device Driver (SDD)

Answer: B

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**QUESTION 70:**

Which of the following IBM TotalStorage Tape Drive products is SAN fabric capable?

- A. 3580-L13
- B. 3581-L23
- C. 3590-B1A
- D. 3592-J1A

Answer: D

---

**QUESTION 71:**

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

- A. LTO G2
- B. FAStT Fiber Channel Disk
- C. FAStT SATA DISK
- D. Enterprise Tape Drive (3592)

Answer: B

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**QUESTION 72:**

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

- A. DWDM
- B. 622 ATM
- C. 100 Naset
- D. 1 GB Ethernet

Answer: D

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**QUESTION 73:**

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

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

Answer: D

---

**QUESTION 74:**

Certkiller .com has to take one of their Install an IBM TotalStorage FASTT Storage Server offline for maintenance. The server is being used in an Install an IBM TotalStorage SAN Volume Controller (SVC) environment. To ensure that there is no impact on the customer's applications, it is important to:

- A. Identify all of the servers attached to the SVC, and take them offline during the FASTT maintenance update.
- B. Dynamically migrate the storage pools associated with the FASTT SERVER to a separate storage server, then perform maintenance
- C. Not worry because the svc WILL AUTOMATICALLY FAILOVER AND FAILBACK TO COMPENSATE FOR THIS TYPE OF SITUATION.
- D. Reassign the mDisks from this FASTT server to another storage pool within the SVC during the maintenance update to maintain continuous access to data.

Answer: B

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**QUESTION 75:**

Which of the following IBM products would be used to maintain an accurate inventory of Certkiller .com's storage assets?

- A. IBM TotalStorage Data Retention 450
- B. IBM TotalStorage SAN Volume Controller
- C. IBM Tivoli Storage MANAGER
- D. IBM Tivoli Storage Resource Manager

Answer: D

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**QUESTION 76:**

Which of the following is true concerning the IBM Data Retention 450 solution?

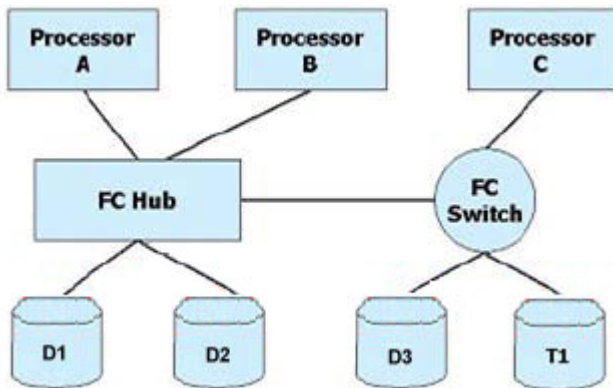
- A. Five capacities are offered from 3.5 TB to 56 TB (raw)
- B. IGS implementation services are included
- C. The type of IBM eServer pSeries server can be specified in the configuration
- D. The type of FC switch can be specified in the configuration

Answer: A

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**QUESTION 77:**

The customer Certkiller .com has the environment with the configuration as displayed in the exhibit.



Given the configuration shown, which of the following statements is correct? [Insert 5F01G.gif here]

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

Answer: D

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**QUESTION 78:**

When presenting an IBM storage solution to Certkiller .com, 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 offers 24x7 support for hardware and software.

Answer: C

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**QUESTION 79:**

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

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

Answer: B

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**QUESTION 80:**

Which of the following is the advantage of the 4k Cache slot size in the IBM TotalStorage Enterprise Storage 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. Minimize the interconnect bandwidth utilization between clusters.

Answer: A

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**QUESTION 81:**

Certkiller .com is considering constructing a SAN to support their Sun and IBM EsERVER iSeries and pSeries 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: D

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**QUESTION 82:**

Which of the following technologies would a storage specialist recommend to Certkiller .com 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: D

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**QUESTION 83:**

Which of the following I/O characteristics would lead a storage specialist to recommend to Certkiller .com a RAID 10 implementation on an IBM TotalStorage Enterprise Storage Server Model 800?

- A. Large number of small block random reads
- B. Large number of small block random writes
- C. Large number of large block sequential reads
- D. Large number of large block sequential writes

Answer: D

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**QUESTION 84:**

Which of the following is a characteristic of the IBM TotalStorage NAS Gateway 500?

- A. AIX kernel that provides outstanding NFS performance
- B. Linux kernel that provides outstanding NFS performance
- C. Linux kernel that provides outstanding NFS and CIFS performance
- D. Windows kernel that provides outstanding CIFS performance

Answer: D

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**QUESTION 85:**

LTO Ultrium2 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. 512 data tracks with 100 GB of native capacity
- D. 512 data tracks with 200 GB of native capacity

Answer: D

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**QUESTION 86:**

Time stamping is important for Advanced Copy Services Functions Because it enables:

- A. the database used for FlashCopy to time stamp entries.
- B. Data sequencing to be completed correctly during FlasCopy in the event of a lost connection
- C. Remote Mirroring or PPRC type functions to continue from where they left off when transmission is halted.
- D. Asynchronous communications to ensure correct sequencing of data at the target site.



Answer: D