Vendor: IBM

Exam Code: C4090-450

Exam Name: Midrange Storage Sales V1

Version: Demo

QUESTION 1
A customer needs a storage solution for archiving his CCTV (closed circuit television) workload.

What is the best cost performance optimized solution?

A. IBM Storwize V3700 with SSD only
B. IBM Storwize V3700 with 10K rpm drives and SSD
C. IBM Storwize V3700 with 15Krpm drives
D. IBM Storwize V3700 with turbo feature and NL-SaS drives

Correct Answer: B

QUESTION 2
Through analysis of a customer environment it has been determined that they need to add about 8TB of Tier 0 Storage. The customer is also planning to add 10 TB of space with Storwize V7000.

What is the best option of adding the Tier 0 space?

A. Add SSDs to the Storwize V7000 configuration.
B. Externally visualize a Flash System 820 with the Storwize V7000
C. Add an additional Storwize V7000 with SSDs and cluster together.
D. Externally virtualize a Storwize V3700 with SSDs included in the system

Correct Answer: A

QUESTION 3
After identifying a customer business requirements and gathering information on their storage environment. The sales specialist determines that the IBM Storwize V7000 would be the ideal solution for this customer because they are.

A. A SAS attach server environment
B. An IBM IOS version 7 customer
C. A small mainframe customer with a Z590 with z/OS
D. A system Z customer running z/OS with DS8000 storage.

Correct Answer: D

QUESTION 4
An existing IBM storage customer is looking to increase the capacity on their DCS3700. Where would the sales specialist go to download the capacity calculator in order to do this?

A. STG Storage sales accelerator tools portal.
B. IBM support portal website
C. ibmdsseries.com website
D. Competeline website.

Correct Answer: C

QUESTION 5
During a meeting with a customer they discuss a data base application that has very high I/O re-quirements.

What IBM storage solution should be discussed with this customer?

A. DS3500
B. Storwize V3700

C. N3240

D. Flashsystem 820

Correct Answer: B

QUESTION 6
A customer with an existing TS3100 tape library has a need to add an additional LTO6 half height drive.
They have existing LTO4 tapes.
Choose the appropriate access level that the LTO6 will provide them.

A. The customer will be able to write to the LTO4 but unable to read

B. The customer will be able to write and read from LTO4 media

C. The customer will be able to read and will be unable to write to the LTO4 media

D. The customer will be unable to access LTO4 media

Correct Answer: C

QUESTION 7
Performance data for the Storwize V7000 can be viewed through which means?

A. Only through a Storwize V7000 GUI interface

B. Only through Tivoli Storage Productivity Center

C. Both Storwize V7000 GUI interface and Tivoli Storage Productivity Center

D. Only through the C/MOM and only with Tivoli Storage Productivity Center Select

Correct Answer: B

QUESTION 8
A customer is running a different host protocols in their data center. What host protocols can be connected
to the Storwize V7000, if the customer wants to gain benefits from the embedded Real Time Compression
function?

A. FCoe and FCP

B. iSCSI, FCoe and FCp

C. FCP and Ethernet

D. SAS, FCP and FCoE

Correct Answer: D

QUESTION 9
A customer has a need for a midrange Storage Solution that provides both block and file access and also
supports 200 snapshots per volume.

What solution best meets the customer needs.

A. IBM N6210

B. IBM Storwize V3700

C. IBM TS7620

D. IBM DCS3700

Correct Answer: B

QUESTION 10
What organization within IBM provides pre-sales Technical Support to both IBM and Business partners
areas such as configuration support and technical Q&A.

A. Lab services

B. Techline

C. ATS

D. Compete Center

Correct Answer: B

QUESTION 11
A customer is interested in a Storage solution that can offer compression. What advantage would the Storwize V7000 offer?

A. Real Time Compression

B. Post Process Compression

C. Host Based Compression

D. Hash Based Deduplication

Correct Answer: A

QUESTION 12
What is a feature of the Storwize V7000 that is not available in the StorwizeV3700?

A. Thin Provisioning

B. Real Time Compression

C. Flash Copy

D. Storage Migration

Correct Answer: B

QUESTION 13
A customer has a cluster of servers and needs to reduce their backup time by as much as 80%. What IBM Storage Solution could meet their requirements with minimum implementation and installation time?

A. Storwize V700 with easy tier

B. TS7620 Protect tier

C. TS3500 with LTO6 drives

D. Flash systems 820

Correct Answer: D

QUESTION 14
The sales specialist is recommending a TCS7620 to achieve greater efficiency with the current environment. Which problem will this address?

A. The backup window

B. The need to send tapes off site

C. The performance of their primary applications

D. The need to purchase additional primary storage

Correct Answer: A

QUESTION 15
A customer has the following requirements, 24TB raw capacity. Which IBM storage system could best fulfill the requirements?

A. Storwize V3700

B. Storwize V7000

C. Flex System V7000

D. SVC CG8

Correct Answer: A

QUESTION 16
System Director provides a consistent interface that is focused on driving which capabilities?

A. Notifying users of problems that occur on systems
B. Notifying users of storage service contract expiration
C. Providing Snapshot Functionality
D. providing data base security.

Correct Answer: A

QUESTION 17
An IBM Business Partner is meeting with a large manufacturing customer for the second time. In the previous meeting the backup administrator mentioned that their end of month slow crawl when backing up their data. After an assessment the business partner finds that the tape in place is several years old and coming off lease in two months.

Who will make the decision to fund this project?

A. The CIO (chief information officer)
B. The CIO (chief executive officer)
C. The CIO (chief security officer)
D. The CIO (chief financial officer)

Correct Answer: A

QUESTION 18
A customer needs a new Storage infrastructure with about 25000 I/Os and 200TB of usable disk. They have different workload characteristics in their datacenter with read intensive workloads and services. The customer has a lack of skills in storage management and must have a cost opti- mum solution.

What is the best one?

A. IBM DCS3700 and SDD plus 1TB NL-SAS drives
B. IBM V3700 with easy tier and SDDs and 1TB NL-SAS drives
C. Storwize V7000 unified including SSDs plus 900 GB 10K SAS drives
D. Storwize V7000 unified including 300GB 15K SAS drives

Correct Answer: C

QUESTION 19
A client requires a new low cost tape backup unit. They need support for a maximum of 4 tape that need to be able to read/write older LTO4 for backwards compatibility. What product will meet this requirements best.

A. TS3100 with LTO5 drives
B. TS3200 with LTO5 drives
C. TS3100 with LTO6 drives
D. TS3200 with LTO6 drives

Correct Answer: A

QUESTION 20
A customer wants to buy an IBM Storage Solution including Storwize V7000, SVC and Storage Management Software. They are also considering backup simplification.

What is the best offer for the most complete solution?

A. Select the appropriate hardware, IBM Smart Cloud Virtual Storage Center and Tivoli Storage Manager

B. Select the appropriate hardware, IBM Tivoli Productivity Center Select and Flash Copy

C. Select the appropriate hardware, IBM Tivoli Productivity Center Standard edition

D. Select the appropriate hardware, IBM Tivoli Storage Manager and Flash Copy Manager

Correct Answer: A

QUESTION 21
During a meeting the customer asks the sales specialist about compression on a Storwize.

What tool should the specialist recommend they run in order to see if their environment benefit from compression.

A. Disk Magic

B. Capacity Magic

C. Comprestimator

D. Storage Tier adviser Tool

Correct Answer: D

QUESTION 22
A customer has a requirement for low cost tape library. The library must support the resources (tape drives and cartridge slots) for four different servers.

Which tape library would the sales specialist recommend?

A. TS3100

B. TS3310

C. TS3200

D. TS3500

Correct Answer: D

QUESTION 23
A customer needs a high availability solution for their file service infrastructure on an existing system. The solution must be able to do an automatic fail over under specialist circumstances.

What is the solution to choose?

A. SVC Stretched Cluster with Storwize V3700

B. SVC Stretched cluster with Storwize V7000 Unified

C. N series Gateways with MetroCluster

D. N Series Gateways with Snap/Mirror

Correct Answer: B

QUESTION 24
A potential N series customer is interested in deploying a VDI solution. What two software features combine to reduce the amount of physical storage and time require- ment provision thousands of virtual desktops down to a fraction of what would be required with traditional arrays?

A. Compression and Dedup

B. FilesClone and Desktop

C. FilesShare and FlexClone

D. Volume Copy and FlashShare

Correct Answer: A

QUESTION 25

A prospect considering a single chassis PureFlex and is considering storage virtualization of an existing EMC array.

Which of the following IBM solution would best satisfy this request?

A. Storage V3700
B. Flex System V7000 Storage Node
C. DCS3700
D. XIV Storage System

Correct Answer: B

QUESTION 26
A customer is comparing a desk solution from Violin with one from IBM.

What resource would the sales specialization use to provide cost of ownership information Mem- ory product?

A. TCOnow!
B. Supper online
C. Complete Center
D. Storage Product Guide

Correct Answer: A

QUESTION 27
Identify three key areas to qualify a midrange disk opportunity.

A. Current business drivers, project budget, timeframe
B. Storage administrator head count, current problems, current vendor
C. Outage, power consumption, disaster recovery strategy
D. Backup/restore strategy, backup software vendor, offsite tape requirements

Correct Answer: A

QUESTION 28
A customer wants to add storage to a mixed server environment and they want to re-utilize their existing storage. They would also like to consolidate management of their storage environment eventually add NAS functionality. This customer has small administrative staff.

Which solution should be suggested to meet these customers needs?

A. Offer an N7950T so that the customer can re-use existing storage and be ready for NAS when they need it.
B. Offer a Storage V7000 Unified so that the customer can re-case existing storage and also ready for NAS when they need it.
C. Offer a SAN Volume Controller so that the customer re-use existing storage and they can add a NAS gateway when they are ready to use NAS.
D. Offer a SAN Volume Controller and a NAS gateway so that the customer can re-use existing storage and have NAS capabilities with only one install interruption.

Correct Answer: B

QUESTION 29
A customer is looking for a low cost storage system to provide 10 TB of usable storage requested a system with SAS host attach.

What would the sales specialist recommend?

A. N series model N3220
B. Stonwize V7000
C. Storwize V7000 Unified
D. Storwize V3700

Correct Answer: A

QUESTION 30
A potential customer is interested in implementing a high availability solution split and 10 KM apart.

Which solution best meets the requirements?

A. N3240 with Stretch MetroCluster
B. N7950T with SyncMirror
C. N6250 with Fabric MetroCluster
D. N6220 with SnapMirror

Correct Answer: C

QUESTION 31
A customer wants to create Writable snapshots that only write changes to disk.

Which optional N series software product addresses this requirement?

A. Snapshot
B. FlexShare
C. FlexClone
D. SnapVault

Correct Answer: C

QUESTION 32
A customer has a high availability requirement for their existing disk subsystem. Which configu- ration best fulfills this requirements?

A. Storwize V7000 with RIC
B. Stoewize V7000 Unified with ACE
C. Dual Storwize V7000 systems with Metro Mirror
D. Storwize V7000 with FlashCopy

Correct Answer: D

QUESTION 33
A customer has an existing software Storwize V7000 in their Atlanta data center. They have an additional storage Storwze V7000 in their second data center 2 kilometer away. They also have a need for high availability.

Which software solution will allow them to synchronously replicable data?

A. Metro Sync
B. Metro Mirror
C. Global Mirror
D. Global Sync

Correct Answer: C

QUESTION 34
An existing IBM storage customer has expressed concern with performance on a key application in terms

of IVO response times.

When software tool could the sales specialist sell to the customer that would enable ongoing monitoring of the storage systems performance?

A. ParfStart
B. Tivoli Storage Productivity Center
C. Windows Performance Monitor
D. AutoSupport

Correct Answer: B

QUESTION 35
According to the documented STG Solution Assurance Trigger Criteria and Designated Product List when TDA requested for DCS3700?

A. High recommended for first in customer location
B. Mandatory for all
C. Highly recommended for all
D. Mandatory for first in customer location

Correct Answer: A

QUESTION 36
A Business partner is competing to an IBM footprint against aggressive EMC and Hitachi teams. The CFO has provided the current budget and business metrics which show the actual operations cost of the current systems. The customer is cost interested in leasing.

What other information in needed to determine a visible solution?

A. Projected CAPEX
B. Projected OPEX
C. Current system configurations
D. Center Magic Quadrant ratings

Correct Answer: B

QUESTION 37
A customer would be like to backup their Symantec environment locally to a deduplicated virtual tape library using Symantec Biometric's Open Storage interface (OST). They also need a copy of that date available off site at their remote database recovery site.

What IBM solution can provide this?

A. Tivoli FastBack software
B. Storwize V7000 with Real-time Compression and Global Mirror to a remote SAN Volume Controller
C. TS3100 and a remote TSJ100
D. TS7820 ProtectTIER appliance OST Option and a remote TS7620

Correct Answer: B

QUESTION 38
According to the documented STG Solution Assurance Trigger Criteria and Designated Protect when is a TDA required for DCS3700?

A. Highly recommended for first in customer location
B. Mandatory for all
C. Highly recommended for all

D. Mandatory first in customer location

Correct Answer: C

QUESTION 39
An existing IBM storage customer has expressed concern with performance on a key appropriate terms of I/O response times.

What software tool could the sales specialist sell to the customer that would enable ongoing of the storage systems performance?

A. Perfstat
B. Tivoli Storage Productivity Center
C. Windows Performance Monitor
D. AutoSupport

Correct Answer: A

QUESTION 40
According to the documented STG Solution Assurance Trigger Criteria and Designated Protect when a TDA required for a DCS3700?

A. Highly recommended for first in customer location
B. Highly for all
C. Highly recommended for all
D. Mandatory for first in customer location

Correct Answer: C

QUESTION 41
The customer's top pain point is performance of their 15 TB production database and the bottle has been identified as disk I/O performance. They have the database volumes spread optimally across FB/15 rpm SAS disks on their existing Storwize V7000 and have the appropriate number of a support these very high IOPS requirements.

What is the least expensive solution that is best suited to solve database performance probability?

A. Move the database to the Storwize V3700
B. Add NL-SAS drives to the Storwize V7000 with Easy Tier
C. Move the database to a new IBM FlashSystem 710
D. Add SSDs drives to the Storwize V7000 with Easy Tier

Correct Answer: D

QUESTION 42
What is the appropriate method for an IBM Business Partner to obtain deeper level Protect sup- port from IBM?

A. Contact IBM Supportline
B. Search IBM Developerworks
C. Submit a Techline support request
D. Send a request to IBM Remote Technical Support

Correct Answer: C

QUESTION 43
A customer is using an IBM Storwize V7000 disk solution. In a briefing they learn about Solid State Drives for their system.

Which tool should the sales specialist recommended to determine the benefits of SSDs Storwize V7000?

A. IBM TPC for Disk
B. IBM Storage Tier Advisor Tool
C. IBM Disk Magic
D. IBM Capacity Magic

Correct Answer: B

QUESTION 44
A customer has requested that the sales specialist demonstrate the performance improvement to be achieved on their Windows environment with the proposed Storwize V7000 with Easy Tier.

What type of Windows data should the sales specialist gather from the customer?

A. Iostat
B. SMF records for performance analytic tool
C. Batch Magic
D. PERFmon for Disk Magic Study

Correct Answer: A

QUESTION 45
A customer with two data centers in the same city has expressed interest in business solution, but they have a very small budget.

Which of the following solutions best matches this customers requirements?

A. Storwize V3700 with Metro Mirror via FC over IP
B. ProtecTIER with remote mirroring via InfiniBand over IP
C. SVC VDisk mirroring with stretch clusters using their existing disks.
D. Storwize V7000 with Easy Tier and the ability to have as few as 1 SSD

Correct Answer: B

QUESTION 46
A customer has several storage systems which are nearing end of support life in March. The Business Partner would like to sell them a solution before the customer's next year budget goes into effect

What would benefit both the customer and business Partner and allow the customer to acquire a new solution earlier than March?

A. TCOnow! For Desk
B. Leasing
C. ROInow! For Desk
D. Discount Lab Services

Correct Answer: B

QUESTION 47
A financial services customer has a new 12x I/O performance increases requirement of a data- base. They have calculated that the critical data is 20 TB usable with limited rack.

What storage solution should the sales specialist propose?

A. Storwize V3700 with 24 x 200 GB SSDs
B. SAN Volume Controller Model CG8
C. Storwize V7000 with 24 200 GB SSDs

D. IBM FlashSystem 820

Correct Answer: D

QUESTION 48
A business partner is working on a solution for an ISV who is packing a storage LUN sizes that are 16 TB and also has a requirement for the systems with GPI?

Which disk storage system should the sales specialist suggest to meet this requirement?

A. Storwize V3700
B. Storwize V7000
C. N series N6250
D. Storwize V7000 Unified

Correct Answer: C

QUESTION 49
A customer has decided to obtain an IBM virtualized storage solution with 100 TB of new disk. The customer wants their present EMC VNX5500 be retained and migrate this data when the warranty expires. The recent analysis they concluded that their users are only consuming 50% storage assigned to them.

What storage solution should be proposed?

A. Storage V7000 with Thin Provisioning
B. Storage V3700 with Thin Provisioning
C. DCS3700 with DDP and Thin Provisioning
D. DS3500 with DDP and Thin Provisioning

Correct Answer: B

QUESTION 50
During a meeting with a customer the sales specialist learns of the customer's need for better ac- cess to their storage, and also for auto tiring within the solution.

Which Storwize V7000 Unified features should be discussed with the customer?

A. FAST and ACE
B. Easy Tier and TSM
C. Easy Tier and ACE
D. FAST2 and RIC

Correct Answer: C

QUESTION 51
The customer currently has 37 servers with 1 TB of internal capacity on each server. The com- munication is over 1 GB Ethernet. The customer would like to move a shared storage file and block capabilities.

Which option meets the customer's requirements?

A. N3220
B. DS3500
C. Storwize V3700
D. XIV system

Correct Answer: A

QUESTION 52
A customer has a capacity issue in their data center. Right now they have an EMC VNX 5100 in- stalled.

What is the customer's first choice if they want to have a simple cost effective disaster recovery system from IBM with an additional 25 TB capacity and the ability to reuse the existing storage?

A. A Storwize V7000 with external virtualization and a Storage V3700 at the secondary site
B. A Storwize V3700 controller with expansion units and external virtualization
C. A SVC with external virtualization and a Storwize V7000 at the secondary site
D. A Storwize V3700 controller with expansion units at both sites

Correct Answer: A

QUESTION 53
A large banding customer is interested in a new NAS solution. One of the main requirements that they have stipulated is for WDRM functionality for CIFS and NFS data.

Which IBM solution would the sites specialist propose?

A. Storwize V7000 Unified with integrated WORM capability
B. N series with SnapVault
C. Storwize V7000 Unified with SAN32B-E4 Encryption switch
D. N series with SnapLock

Correct Answer: D

QUESTION 54
A business partner needs help validating a DCS3700 eConfig configuration.

Which is the best IBM resource contact?

A. IBM Techline
B. IBM Techline Advisor
C. IBM CompeteLine
D. IBM Lab Services

Correct Answer: A

QUESTION 55
What is the designated Product List or DPL?

A. A list of Possible IBM solutions for known customer problems
B. A list of competitive storage solutions
C. A checklist of potential problems to avoid when installing IBM Storage Product
D. A list used to determine if a Technical Delivery Assessment (TDA) is required

Correct Answer: A

QUESTION 56
A customer would like to consolidate four 20TB disk systems under one management point and the existing disk taking accounts a 10% growth rate. They would also like to add a tier of ultra performance disk to address current disk performance issues with no manual data placement across tiers.

Which solutions best fits these requirements?

A. Storwize V7000 with 80 TB of usable disk space, an IBM FlashSystem 820 with 20 TB us- able capacity, and Easy Tier.
B. Storwize V3700 with 80 TB of usable disk space with five 400 GB SSDs and Easy Tier
C. Storwize V7000 with 80 TB of usable disk space with five 400 GB SSDs and Easy Tier
D. DCS3700 with 80 TB of usable disk space with five 400 GB SSDs and Easy Tier

Correct Answer: C

QUESTION 57
A customer issued an RFP that requires direst host attachment using SAS.

What disk storage solution should the sales specialist propose for this requirement?

A. Storwize V7000
B. N series 6210
C. Storwize V3700
D. Storwize V7000 Unified

Correct Answer: C

QUESTION 58
Which two of the following are examples of a company's legal need to comply with data retention?

1. Cost
2. Growth
3. Risk
4. Availability

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

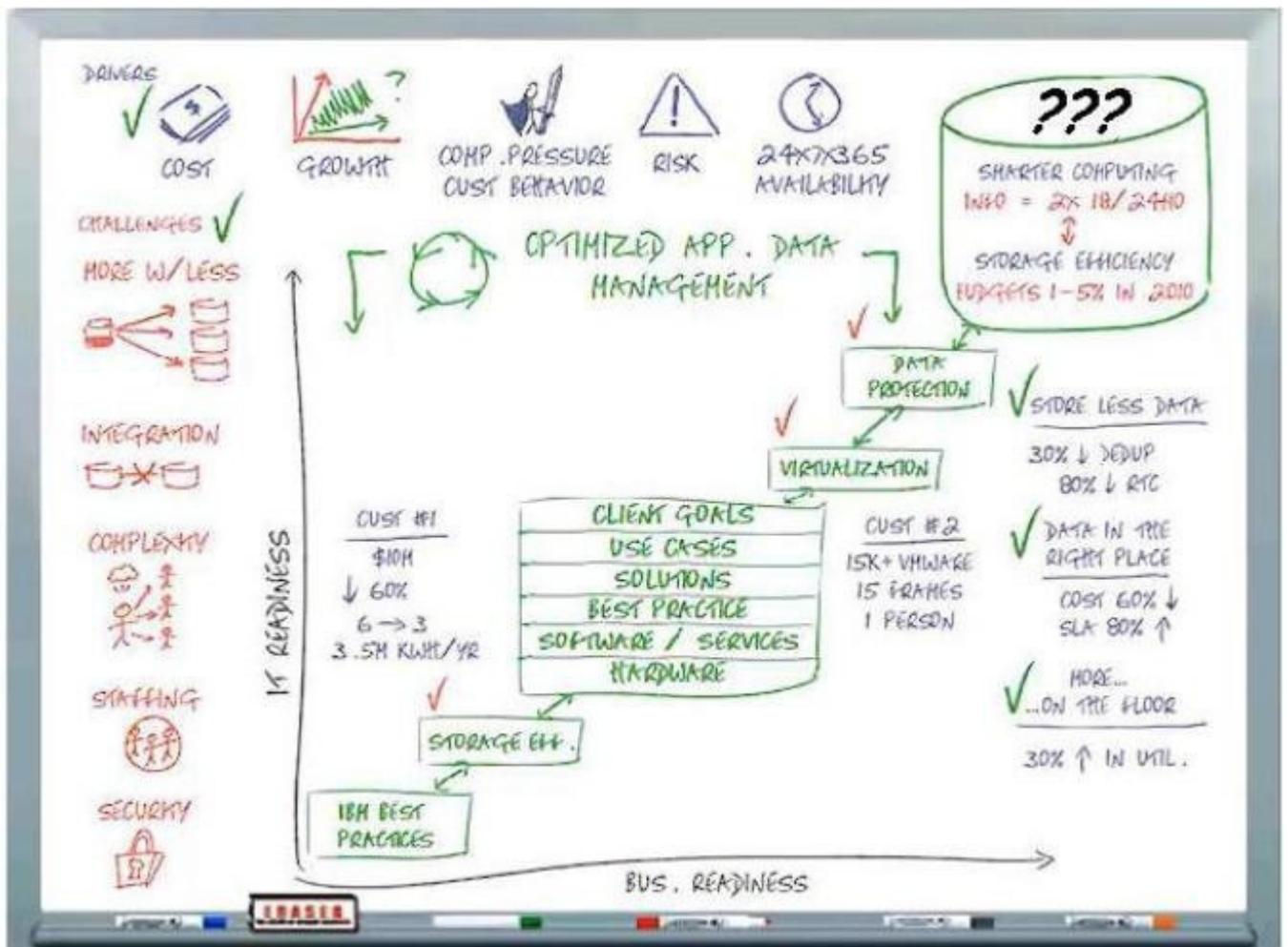**Correct Answer:** C

QUESTION 59
Customer has two datacenters 1000 km apart, and wishes to perform disaster recovery across a small set of disks (less than 10 TB). What is likely to be the most costly part of this solution over a three year period?

A. Switch and replication hardware charges
B. Disk storage hardware and warranty costs
C. Storage administration and support costs
D. Line charges from telecommunications vendors

Correct Answer: D

QUESTION 60
Using the IBM One Voice Whiteboard Presentation as a reference, the initial discovery of a customer's IT platforms, their use cases and overall goals, incorporating IBM best practices, virtualization and data protection to gain greater storage efficiency, this customer is being driven toward_____.

A. More on the floor.

B. Workload optimization.

C. Data in the right place.

D. Correct staffing levels.

Correct Answer: B

QUESTION 61

A customer with POWER7 servers running mission critical DB2 applications in a stock market transaction application have data centers at 2000 km distance. They need near zero recovery time. Which of the following is the appropriate solution for this customer?

A. DS3500 with Metro Mirror

B. N series with Flash Cache

C. DS8800 with Global Mirror

D. Storwize V7000 with TPC for Replication

Correct Answer: C

QUESTION 62

A client has a file server with 100 TB of usable storage. The growth rate of the data is 50% per year. The majority of the data rapidly becomes inactive data and is not frequently accessed. The customer would like to implement a solution that would automatically migrate the inactive data to a less expensive disk. Which solution would meet the customer's requirements?

A. DS8800

B. DS3524 Express

C. XIV system Gen3

D. Storwize V7000 Unified

Correct Answer: D

QUESTION 63
The sales team is discussing the Storwize V7000 with the customer. The customer has asked about the software features of the Storwize V7000.

Which of the Storwize V7000 software features are available at an additional cost?

A. Easy Tier, FlashCopy

B. FlashCopy, External Virtualization

C. Metro/Global Mirror, Thin Provisioning

D. External Virtualization, Metro/Global Mirror

Correct Answer: D

QUESTION 64
TCOnow! for Disk provides what value?

A. Provides the CIO with an ROI comparison

B. Compares speeds and feeds of disk storage systems

C. Analysis of a 'head to head' comparison of disk storage solutions

D. Compares features of Storage Systems advanced functions and software

Correct Answer: C

QUESTION 65
A customer needs approximately 800 TB of network attached storage for unstructured media files in a single file system. Which of the following choices would be the best solution for this customer?

A. N3240

B. DCS3700

C. IBM SONAS

D. Storwize V7000 Unified

Correct Answer: C

QUESTION 66
Which of the following are supported host interface types on the Storwize V7000?

A. 6 Gbps SAS, 4 Gbps iSCSI and 8 Gbps FC

B. 1 Gbps iSCSI, 3 Gbps SAS and 8 Gbps FC

C. 8, 4, and 2 Gbps FC, 1 and 10 Gbps iSCSI

D. 20 Gbps InfiniBand, 8 Gbps FC and 10 Gbps iSCSI

Correct Answer: C

QUESTION 67
A customer has an existing IBM System Storage N6040 and is requesting a replication license to fail over workload to a secondary N series device in the event of a disaster. Which software product will address the customer's requirement?

A. SnapLock

B. FlexClone

C. SnapMirror

D. SnapRestore

Correct Answer: C

QUESTION 68
A customer is looking to consolidate multiple heterogeneous SAN islands. To do this, what must the customer consider first?

A. Single management interface
B. Creating a singular SAN fabric
C. Picking a singular vendor and storage platform
D. Storage tiering with automatic hot spot detection

Correct Answer: B

QUESTION 69
A customer is running out of floor space on their data center using an aging EMC DMX. They are a loyal EMC customer but the CIO is willing to have a quick discussion with IBM. What IBM storage efficiency technologies should be discussed to address their floor space issue?

A. Flash copy and replication
B. Tape automation and LTO tape
C. Storage virilization and thin provisioning
D. Automated tiering and external virealization

Correct Answer: C

QUESTION 70
A customer is currently running a large, multiple server Red Hat Enterprise Linux version 6 environment with DS5000. The sales specialist believes the storage sales opportunity can best be met with a Storwize V7000, but some of the customer's IT operations staff has concerns about implementation of the Storwize V7000 in the existing environment.

Which of the following should the sales specialist be prepared to discuss FIRST to convince the IT staff to support the proposal?

A. Upgrade and warranty options
B. Overall cost of the Storwize V7000 solution
C. Storwize V7000 power and space planning requirements
D. Multipathing options, and server and storage migration

Correct Answer: D

QUESTION 71
A customer has an IBM TS3310 configuration with LTO-4 technology that is out of capacity. They currently use 100 LTO-4 cartridges which are full, and will need to store an additional 100 TB.

If they switch to LTO-5, how many LTO-5 cartridges would they need to buy? Assume the existing data from the LTO-4 cartridges will be rewritten onto LTO-5 cartridges.

A. 50
B. 80
C. 100
D. 120

Correct Answer: D

QUESTION 72
What IBM tool is most appropriate to simulate scenarios to meet customer response time requirements?

A. Disk Magic
B. Capacity Magic
C. TCOnow! for Disk
D. ProtecTIER Capacity Planner

Correct Answer: A

QUESTION 73
During storage discussions the customer has said they want to move away from Fibre Channel SAN switches and use Ethernet only in their environment. What is an area that must be discussed with the customer to assure this conversion will be successful?

A. Determine which vendor supplies the current SAN switches.
B. Check that the NIC cards the customer plans to use are supported by IBM.
C. Confirm that the customer's applications can run Ethernet block protocols.
D. Identify whether the customer is running Disaster Recovery or Remote Mirroring.

Correct Answer: C

QUESTION 74
A customer is a rapidly growing company requiring midrange block storage, but wants to minimize storage management complexity and cost. A single Storwize V7000 is proposed, but the customer is concerned that they will quickly grow from 200 TB to 400 TB of capacity and thus outgrow the solution.
Which of the following is the best response to this concern?

A. Easy Tier on Storwize V7000 is no charge and automatic, thus providing an easy way to manage the storage as well as improve the performance.
B. Clustering Storwize V7000 provides a way to grow capacity in a single management instance using small form factor or large form factor drives.
C. Utilizing 3 TB drives in a single Storwize V7000 controller and expansion drawers provides the capacity needed as well as the single management interface.
D. Storwize V7000 with no charge Active Cloud Engine allows the customer to mix and match small form factor drives and large form factor drives in a single management interface.

Correct Answer: B

QUESTION 75
A customer learns that their storage is no longer supported with the version of Linux required by an application they are using. How can this customer extend the useful product life of their existing storage?

A. Have the customer migrate to NFS protocol
B. Have the customer update the drivers on the servers
C. Put the existing storage behind a SAN Volume Controller
D. Have the customer update the code level on their storage device

Correct Answer: C

QUESTION 76
A customer requires 30 TB of relatively inexpensive block storage for a DB2 database in the midrange space. The customer also mentions the need for future performance increase as the project moves from test and development status to full production over the next year. Which of the following would be an appropriate choice for this customer?

A. Storwize V7000 with small form factor drives, and a second disk control enclosure added laterfor additional performance.
B. Relatively low cost N3220 or IM3240 with SAS drives today, and the addition of PAM (Flash Cache) when additional performance is needed.
C. DS3500 with a small number of SSD and large nearline SAS drives to keep down the cost, with Easy

Tier turned on when needed to optimize performance.
D. A 15 module XIV System Gen3 with relatively inexpensive nearline SAS drives for capacity and low cost, with the option of adding SSD for speed in the future.

Correct Answer: A

QUESTION 77
What feature, introduced in the LTO-5 specification, enables the use of LTFS?

A. Skip Synch
B. Media Partitioning
C. Large data buffers
D. Magneto Resistive Heads

Correct Answer: A

QUESTION 78
A customer has a DS5300 in a very large VMware environment. What software from IBM could be utilized to monitor and manage the storage from within VMware?

A. DS Storage Manager
B. IBM Systems Director
C. vCenter Management Plug-In
D. Tivoli Productivity Center Select

Correct Answer: C

QUESTION 79
Which of the following drive types can be combined in a single EXP5000 expansion unit?

A. SATA and FC only
B. SSD and SAS only
C. SSD, SATA and FC only
D. SSD, SAS, FC and SATA

Correct Answer: C

QUESTION 80
Which of the following IBM System Storage products supports a maximum of 16 GB of cache in a standard dual controller configuration?

A. N6270
B. DS5300
C. XIV system
D. Storwize V7000

Correct Answer: D

QUESTION 81
The DS3500 series has fully redundant I/O paths with automated failover and mirrored data cache. These are examples of which value proposition?

A. High availability
B. Automated tiering
C. Green efficiencies
D. Performance advantage

Correct Answer: A

QUESTION 82
A potential customer benefit of IBM LTO-5 is:

A. Ability to utilize LTFS
B. Provides faster SCSI connection
C. Features Fibre Channel at 4 Gbps
D. Offers the capability to Read/Write Ultrium 3 cartridges

Correct Answer: A

QUESTION 83
The management functions included with the IBM DS5000 Storage Manager are very similar to an offering from which other vendor?

A. HP
B. Nexsan
C. Oracle
D. Dell EqualLogic

Correct Answer: C

QUESTION 84
A customer expresses dissatisfaction with the utilization numbers of their current heterogeneous storage resources, and with the management complexity. Which IBM product best satisfies the customer requirements?

A. Data deduplication with ProtecTIER
B. Virtualization with SAN Volume Controller
C. Data compression with IBM Real-time Compression Appliance
D. Performance monitoring with Tivoli Storage Productivity Center

Correct Answer: B

QUESTION 85
A customer wishes to extend the useful life of their current storage capacity, which consists of EMC CLARiiON CX-240, IBM DS3500, and HP MSA storage. What feature of the SAN Volume Controller would be most important to this customer?

A. SVC provides scalability on a per-node basis
B. SVC provides additional cache write capabilities
C. SVC provides distribution of data across metro distances
D. SVC provides thin provisioning across all managed volumes

Correct Answer: D

QUESTION 86
A manufacturing customer has an existing SAN for their AIX servers and they want to add their Windows servers with file level access to their existing storage system. Which of the following is the lowest cost solution?

A. N6240
B. DS3500
C. DCS3700
D. XIV system

Correct Answer: A

QUESTION 87
The IBM Real-time Compression Appliance supports:

A. NDMP data on an IBM N3240
B. VMware iSCSI storage on a DS5300
C. Read data in SSD cache in XIV system Gen3
D. NFS storage on an EMC Celerra/VNX environment

Correct Answer: D

QUESTION 88
A customer has a single IBM Storwize V7000 Control Enclosure with 4 expansion enclosures attached. The customer is looking at expanding this configuration. What is the maximum number of expansion enclosures that can be added to this configuration?

A. 3
B. 4
C. 5
D. 6

Correct Answer: C

QUESTION 89
A customer has looked at EMC VNX and the promise of storage federation. Which IBM solution offers this capability today?

A. DS8800 with Easy Tier
B. IBM V7000 Unified with TSM/HSM
C. IBM XIV system Gen3 with InfiniBand
D. IBM SAN Volume Controller with split I/O groups

Correct Answer: D

QUESTION 90
A customer is looking at the STK SL-3000 library to replace an STK L-500 tape library that is coming off of a 7-year lease. They would like to compare the STK SL-3000 to an IBM TS3500 library. Which is an advantage of the TS3500 that the sales representative should emphasize?

A. Supports IBM LTO drives
B. Provides encryption capabilities
C. Supports more drives and cartridges
D. Supports both LTO-4 and LTO-5 technology

Correct Answer: C

QUESTION 91
A government agency is looking for a data deduplication solution requiring the highest levels of data integrity. They are comparing solutions from both IBM and Data Domain. Which feature of the IBM ProtecTIER solution should the sales specialist emphasize?

A. Restore times
B. High availability
C. Hashing algorithms
D. Binary differential process

Correct Answer: D

QUESTION 92

In which way does the IBM System Storage DS3500 assist customers in meeting energy efficiency goals?

A. Spin-down capability allows for power consumption only when required
B. Intermix of SAS and Near-line SAS allows tailoring of capacity and power consumption
C. The virtual capacity of a thin provisioned volume is typically significantly larger than its real capacity
D. Intermix of Solid State, SAS and SATA drives in a 3.5-inch form-factor allows tailoring of capacity and power consumption

Correct Answer: B

QUESTION 93
A publicly held company is in litigation with one of their former employees, and has been asked to provide electronic evidence of emails sent by that employee over the preceding year. This has created a new focus around data retention and retrieval. The customer has several data types and would need to store several hundred terabytes (TB).
What IBM product meets this customer's needs?

A. IBMTS3200
B. IBMDCS3700
C. IBM Information Archive
D. IBM ProtecTIER TS7650 Appliance

Correct Answer: C

QUESTION 94
What is a key benefit of the IBM System Storage SAN Volume Controller?

A. SVC supports a 4 node cluster with 2 I/O groups
B. SVC virtualizes the servers and the storage subsystems
C. SVC supports up to 16 direct attached storage subsystems
D. SVC visualization separates the servers from the storage subsystems

Correct Answer: D

QUESTION 95
Which one of the following best describes the advantages of Long Term File System (LTFS)?

A. Increases the capacity on the tape cartridge
B. Eliminates the requirement for back-up software
C. Provides up to 48% lower power consumption in idle mode
D. Increases the number of available partitions in the library

Correct Answer: B

QUESTION 96
A customer requires the highest capacity within a single 42U rack. Which of the following IBM storage products provides the greatest physical capacity and density within a single rack?

A. XIV system Gen3 with 15 modules
B. DCS3700 with 1818-80e Expansion Units
C. DS5300 with EXP5060 High Density Enclosures
D. Storwize V7000 with small form factor expansion enclosures

Correct Answer: B

QUESTION 97
A customer with a Windows 2008 server environment requires additional NAS storage but wants to make sure that the new storage is used as efficiently as possible. The customer currently has IBM N6040, IBM

TS3310, and IBM DS3500.
Which of the following would help the customer in this situation?

A. Use of virtualization on the Storwize V7000 Unified to manage N6040 CIFS files
B. Use of Easy Tier on Storwize V7000 Unified to move inactive data to the TS3310
C. Use of Active Cloud Engine on Storwize V7000 Unified to move inactive data to a lower tier of storage
D. Use of virtualization on Storwize V7000 Unified to consolidate DS3500 and Storwize V7000 Unified CIFS storage into a single repository

Correct Answer: C

QUESTION 98
A customer has 100TB of NetApp storage, used for NFS and CIFS file sharing. The existing NetApp devices are near capacity, and do not have much room to add drives. What would be a choice to allow this customer to extend the useful life of the NetApp devices?

A. Front-end the devices with TSM built-in deduplication
B. Front-end the devices with SVC and use thin provisioning
C. Front-end the devices with ProtecTIER and use compression
D. Front-end the devices with Real-time Compression Appliances

Correct Answer: D

QUESTION 99
A sales specialist is creating a proposal for IBM BladeCenter and DS5000 which will be integrated in to an IBM-only storage and server environment. The client needs to better manage their servers and storage. What management offering should the sales rep include in the proposal?

A. Storage Manager GUI
B. Tivoli Storage Productivity Center
C. IBM Systems Director Storage Control
D. System Storage Productivity Center (SSPC)

Correct Answer: C

QUESTION 100
Which of the following allows the Storwize V7000 the ability to make application-aware snapshots?

A. SnapManager
B. Systems Director
C. Tivoli FlashCopy Manager
D. Tivoli Storage Productivity Center

Correct Answer: C

QUESTION 101
Which of the following software features/products are available at additional cost for the Storwize V7000?

A. Thin Provisioning, Easy Tier, FlashCopy
B. FlashCopy, FastBack for Storwize V7000, External Virtualization
C. Easy Tier, Tivoli Storage Productivity Center Select, Tivoli Productivity Center for Replication
D. Tivoli Storage Productivity Center Select, Tivoli Storage Productivity Center for Replication, External Virtualization

Correct Answer: D

QUESTION 102
How can the DS5300 be managed?

A. DS Storage Manager only
B. CLI, DS Storage Manager and IBM Systems Director
C. VMware VAAI. Storage System Productivity Center and Hardware Management Console
D. Tivoli Storage Productivity Center, Tivoli Storage Manager and Hardware Management Console

Correct Answer: B

QUESTION 103
The IBM TS7610 ProtecTIER Appliance Express is a data protection offering for customers backing up no more than how much data per week?

A. 3 TB
B. 5 TB
C. 7 TB
D. 10 TB

Correct Answer: A

QUESTION 104
An electronic chip manufacturer has a need to store engineering drawings for a minimum of 20 years. They are currently adding 500 TB of capacity to their H series platforms annually but needs to find a low cost way to share these drawings with a second location. Which of the following solutions would meet their needs?

A. Use Storwize V7000 in stretch cluster mode to share the data with the remote site
B. Install N series at the remote location, and use SnapMirror to replicate the data
C. Install LTFS on servers to write to tape, and duplicate tapes to send to the remote site
D. Install the Real-time Compression Appliance to reduce the need for primary storage and replicate to the second site

Correct Answer: C

QUESTION 105
A customer has a single site today and is looking at disaster recovery solutions for their existing Storwize V7000. In addition to a second Storwize V7000 at another site, which IBM product should be recommended to the customer?

A. IBM Tivoli Storage Manager
B. IBM Tivoli FlashCopy Manager
C. IBM Storwize V7000 Remote Mirroring
D. IBM Storwize V7000 External Virtualization

Correct Answer: C

QUESTION 106
A customer currently does not use NAS storage and their file server growth is out of control. All of the following are benefits of N series consolidation EXCEPT:

A. Reduce administrative overhead
B. Decreased storage utilization rates
C. Reduce disruptions to end users during backups
D. Flexibly provision storage and storage services in minutes

Correct Answer: B

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