Vendor: IBM

Exam Code: 000-176

Exam Name: IBM Worklight V5.0.0.3 Mobile Application Development

Version: Demo

QUESTION 1
An international company has a heterogeneous IBM storage environment with two IBM DS8700 systems in a Metro Mirror relationship. They also have a virtualized environment with two SVC clusters in a Global Mirror relationship. The storage administrator complains about the monitoring of copy services. Which solution should the IBM storage specialist propose for this pain point?

A. System Storage Productivity Center
B. Tivoli Storage Productivity Center for Replication
C. Tivoli Storage Productivity Center for Disk
D. DS8000 Storage Manager

Correct Answer: B

QUESTION 2
A UNIX customer has a Symmetrix DMX that has crashed three times in the past six months, causing data loss. The customer is shopping for an enterprise storage solution to provide point-in-time copy functionality without a fixed relationship to its primaries. Which IBM solution best meets this customer's requirements?

A. IBM System Storage DS8700 andVolumeCopy
B. IBM System Storage DS8700 andFlashCopy
C. IBM System Storage DS8700 andFlashCopy with the NoCopy option
D. IBM System Storage DS8700 andFlashCopy with the Persistent option

Correct Answer: B

QUESTION 3
A customer asks for the thermal load (BTU/hr) to determine whether their existing cooling system will support the IBM System Storage DS8000. Where can the sales representative find this information?

A. IBM System Storage DS8000: Introduction and Planning Guide
B. IBM DS8000 Interoperability Matrix on the support page on the web
C. IBM System Storage DS8000: User's Guide
D. IBM System Storage DS8000: Solution Assurance Guide

Correct Answer: A

QUESTION 4
A customer has an IBM System Storage DS8100 with 128 DDMs and needs to add additional capacity. What must be verified by the Business Partner during the visit to the computer room?

A. the space for the upgrade to a DS8700
B. the space on the left of the DS8000 for an expansion frame
C. the space on the right of the DS8000 for an expansion frame
D. the space to install additional DDMs in the base frame

Correct Answer: C

QUESTION 5
A customer has no available floor space for expansion and room for only one disk enclosure pair in their DS8700. Four disk enclosure pairs are required to meet the current I/O needs of a data warehousing application. They are only utilizing 10% of their total capacity. Another application workload needs to be

added to the system but requires two disk enclosure pairs. The customer is considering SSD and Easy Tier. Which of the following is the primary function of Easy Tier?

A. reduce power consumption per unit of storage

B. balance the total workload with other DAs

C. automatically moves hot spots to the appropriate resource

D. SANtiering permits more flexibility by adding additional data paths

Correct Answer: C

QUESTION 6
A customer requires an infrastructure to support disaster recovery of critical applications between two remote data centers. One data center is in Tokyo and one is in Beijing. The customer's Recovery Point Objective (RPO) requires a six-hour window for a bandwidth of 100 MB/s and a new storage system for a total of 4 TB of data. They estimate 100 MB of new data produced hourly. What data synchronization method would be recommended to meet the requirements?

A. Metro Mirror

B. FlashCopy

C. Global Mirror

D. Snapshot

Correct Answer: C

QUESTION 7
A current IBM System Storage DS8000 open systems customer needs a temporary copy of data that will be needed for only 12 hours. Which DS8000 function best satisfies this requirement?

A. Multiple RelationshipFlashCopy

B. IncrementalFlashCopy

C. FlashCopy SE

D. Data SetFlashCopy

Correct Answer: C

QUESTION 8
A customer needs a remote data copy, data migration, and off-site backup solution. The solution cannot impact application performance. The sites are over continental distances. Which characteristic of DS8700 Global Mirror makes it a good fit for this customer?

A. it provides synchronous mirroring on both sides

B. it can be implemented withoutFlashCopy volumes at the target site

C. with Global Mirror, the Metro Mirror functions can be used over continental distances

D. it has almost no impact on application performance because of its extremely short and adjustable coordination time

Correct Answer: D

QUESTION 9
An IBM Business Partner suggests an IBM System Storage DS8000 to a customer with a SAN that is now configured with an EMC Symmetrix subsystem disk. The customer wants to determine if new HBAs and software upgrades are needed on the servers if the EMC storage is replaced by the DS8000 What

document must be carefully read to help address the customer's concerns?

A. IBM System Storage DS8000: Host Systems Attachment Guide

B. DS8000 Interoperability Matrix

C. IBM System Storage DS8000: Introduction and Planning Guide

D. IBM System Storage Solution Handbook

Correct Answer: B

QUESTION 10
A customer using an IBM System Storage DS8700 is facing performance problems. After the analysis by the technical specialist, the diagnosis indicates that the cache hits may be improved by a cache upgrade. How can the system be monitored in order to check the benefits of the cache upgrade?

A. using the "vmstat" command on the AIX servers connected via SAN to the DS8700 system
B. look at the IOPS using the DS8700
C. reading the performance reports via Tivoli Storage Productivity Center for Disk
D. generating reports using theTotalStorage Expert

Correct Answer: C

QUESTION 11
A customer has purchased three IBM System Storage DS8700 systems and would like to have their administrators trained. Which training alternative provides the necessary training with the least financial impact?

A. purchase the training CD for the disk subsystem and have the staff do self-paced training
B. have the IBM Service Support Representative perform the training
C. contact IBM Education Services for an onsite training class
D. send one person at a time to an IBM training session

Correct Answer: C

QUESTION 12
A customer's SAN environment has undergone significant growth over the past two years. They have also suffered a high turnover rate with administrative personnel. The customer has asked a storage specialist for help in documenting and understanding their changing SAN environment. The ability to make configuration changes to devices would be a plus. Which tool should the storage specialist suggest?

A. Tivoli Storage Productivity Center Fabric Manager
B. Tivoli Storage Productivity Center Basic Edition
C. IBM TivoliNetView
D. Disk Magic

Correct Answer: B

QUESTION 13
A customer recently installed new a SAN with an IBM System Storage DS8700 and several open systems servers to address a need for storage consolidation and still provide good response time. They have asked the Business Partner technical representative for the most complete IBM product that would allow them to do performance reporting of the new SAN environment. What is the best solution?

A. Tivoli Storage Manager
B. Tivoli Storage Productivity Center for Disk
C. Tivoli Storage Productivity Center Basic Edition
D. Tivoli Storage Productivity Center Standard Edition

Correct Answer: D

QUESTION 14
What is one reason the customer should install IBM DS8000 Virtual Private Network (VPN) technology for the Call Home function?

A. to avoid using a more expensive dial-up modem

B. to load new licensed internal code

C. to achieve more efficient and faster problem resolution

D. to enable capacity on demand

Correct Answer: C

QUESTION 15
The Business Partner technical specialist is called to determine if the addition of host ports on an IBM System Storage DS8700 has improved users' response times for an IBM System p server running SAP. How can the improvement be verified?

A. check the output of the "vmstat" command on LINUX

B. check the performance reports via Tivoli Storage Productivity Center for Data

C. check the performance reports via Tivoli Storage Productivity Center for Disk

D. check the output of the "iostat" command on AIX

Correct Answer: C

QUESTION 16
A company has acquired another company and is consolidating data centers. During the consolidation, half of the users of a business critical application lost access. The users who maintained access experienced slow performance. What is the first action the SAN/storage administrator should take to determine the source of the problem?

A. review SAN configuration, connectivity, and zoning

B. review application parameters for contention or tuning problems

C. use internal disk monitoring tools to determine the problem source

D. check the disk parameters in the OS setup on the systems

Correct Answer: A

QUESTION 17
A customer wants to collect performance data from a newly installed IBM System Storage DS8700 to determine if the system meets expected benchmarks using their application test data. Which tool best gathers the performance data?

A. IBM DS Storage Manager

B. Tivoli Storage Resource Manager

C. Tivoli Storage Productivity Center for Disk

D. Tivoli Storage Productivity Center for Data

Correct Answer: C

QUESTION 18
A customer has an EMC Symmetrix DMX3000 that is at the end of lease. The environment consists of IBM System p, IBM System i, and IBM System z. The customer is evaluating EMC, HDS, and IBM storage as possible replacements. They are interested in comparing the performance of all three disk subsystems. Which tool compares performance?

A. Capacity Magic

B. eConfig

C. TPC for Disk

D. Disk Magic

Correct Answer: D

QUESTION 19
A customer has one mainframe and ten open system servers in their current environment. They plan to add the servers to an IBM DS8700 system with four array sites. How many extent pools should be created to provide the best resource utilization of the DS8700?

A. 1
B. 2
C. 4
D. 6

Correct Answer: C

QUESTION 20
A customer has a storage requirement for a mixed IBM Power AIX and System z environment. They require approximately 3 TB of high performance disk for their System z environment. They require approximately 32 TB of low-performance disk for their System p environment. The storage specialist is using Capacity Magic to configure an IBM DS8700. Which configuration is most appropriate for this customer?

A. 2 x 300 GB 15k rpm disk drive sets for System z; and 4 x 2 TB 7.2k rpm disk drive sets for Power AIX
B. 4 x 146 GB 15k rpm disk drive sets for System z; and 4 x 2 TB 7.2k rpm disk drive sets for Power AIX
C. 2 x 300 GB 10k rpm disk drive sets for System z; and 4 x 300 GB 15k rpm disk drive sets for Power AIX
D. 2 x 300 GB 15k rpm disk drive sets for System z; and 2 x 1 TB 7.2k rpm disk drive sets for Power AIX

Correct Answer: A

QUESTION 21
An IBM System Storage DS8700 is being installed at a global corporation's headquarters location. The storage must be available worldwide. A great deal of coordination is required to schedule this implementation across the corporation. Who is best positioned to fill the role of implementation resource coordinator?

A. IBM Service Support Representative
B. IBM Advanced Technical Support Representative
C. IBM Field Technical Support Representative
D. IT Manager of the customer

Correct Answer: D

QUESTION 22
A customer wants to consolidate storage from four IBM System p servers and one large IBM System i server on a high end disk subsystem. The customer does not have a SAN installed. The customer will require approximately 24 TB of capacity for System p and 20 TB of capacity for System i. The customer states that performance of the System i system is most important. Capacity, multi-path access, and replication functions are important for the System p servers. Which solution best satisfies the customer requirements?

A. IBM DS8700 with 600 GB drives for the System p, 300 GB/15k drives for Systemi; and advanced functions for System p capacity
B. IBM DS8700 with LPAR, 300 GB/15k drives and RAID 10 for Systemi; and 600GB drives with RAID 5 and advanced functions for System p capacity
C. IBM DS8700 with advanced functions, 300 GB/15k drives and RAID 10 for Systemi performance; and 600 GB drives and RAID 5 for System p capacity
D. IBM DS5100 with Enhanced Remote Mirror, 600GB/15k drives and RAID 5 for System p; and 300GB/15k drives and RAID 10 for Systemi capacity

Correct Answer: C

QUESTION 23
A customer has a primary (A) and a secondary (B) local data center. Now they plan to setup a third data center (C) approximately 700 kilometers away. All centers use DS8000. They need to have mission critical data available and consistent in all three sites. IBM is proposing a Metro Global Mirror solution. Which of the following licensed functions are required in the secondary (B) local data center machine?.

A. Metro Global Mirror license, Metro Mirror license, Volume Copy license
B. Metro Global Mirror license, Metro Mirror license, Global Mirror license
C. Metro Global Mirror license, Global Mirror license
D. Metro Mirror license, Global Mirror license,FlashCopy license

Correct Answer: B

QUESTION 24
A customer would like to implement an IBM System Storage DS8000 solution that requires 225 TB raw capacity. They are convinced that 450 GB is the optimum size for their business applications. There is limited space available for additional machines in the data center. Which solution meets best this requirement?

A. DS8700 system with three frames
B. DS8800 system with threeframe
C. DS8700 system with two frames
D. DS8800 system with two frames

Correct Answer: D

QUESTION 25
What is used to gather information on a Windows host that will be used for determining the optimum configuration of an IBM System Storage DS8700?

A. Disk Magic
B. PerfMon
C. iostat
D. Tivoli Storage Productivity Center for Data

Correct Answer: B

QUESTION 26
A customer with a small IT budget has one data center. Their main application is a database running on an IBM System Storage DS8000. The database has a data change rate of 50% per day. Once a week, they must do a point-in-time backup from the database to tape. The time it takes to run the backup now exceeds the backup window allowed. The customer requests a proposal to reduce database downtime caused by running backups, with nearly zero impact to production volumes. In addition to the tape backup, which DS8000 feature should a technical specialist propose?

A. FlashCopy
B. FlashCopy SE
C. Metro Mirror
D. Global Mirror

Correct Answer: A

QUESTION 27
A financial customer has three data centers that are four kilometers apart. Their SAP application data

needs to be kept synchronized within 10 milliseconds. Which solution satisfies the customer's recovery time objective?

A. DS8700 systems at each site running Metro Mirror
B. DS8700 systems at each site running Global Mirror
C. DS5300 systems at each site running Global Mirror
D. XIV systems at each site running Remote Mirroring

Correct Answer: A

QUESTION 28

The storage specialist sized a DS8800 proposal with eight host adapters in the four-port version. 240 drives of the 146GB-15k rpm type will be installed. The proposal needs to meet a very competitive price. The customer will have only minor capacity growth in the future. Which of the following solutions best meets these requirements?

A. offer a DS8800 one-frame system in four-way processor version and standard cabling
B. offer a DS8800 one-frame system in two-way processor version and business class cabling
C. offer a DS8800 one-frame system in two-way processor version and standard cabling
D. offer a DS8800 one-frame system in four-way processor version and business class cabling

Correct Answer: A

QUESTION 29

A customer has requested an IBM System Storage DS8700 solution to meet the following requirements:
-20% yearly growth
-29,000 IOPS
-approximately 50/50 mix of read/write operations
-small (4 KB) data transfers The storage specialist has created a Disk Magic model in which each port is

capable of approximately 2,900 to 3,100 IOPS. What is the minimum number of ports that should be configured on the DS8700 to handle the projected workload for the first year?

A. 8
B. 10
C. 12
D. 16

Correct Answer: C

QUESTION 30

A customer has an IBM System Storage DS8700 and wants to reach the highest possible throughput in the back-end for a storage-pool-striped volume out of an extent pool with 8 ranks. Over how many device adapter pairs should a technical specialist spread the workload?

A. 2
B. 4
C. 6
D. 8

Correct Answer: D

QUESTION 31

A bank has requested proposals for a storage solution to upgrade their disaster recovery processes for their IBM System z, UNIX, and Microsoft Windows environment. The solution must simulate a multi-site environment and provide the customer the ability to evaluate Metro Mirror, Global Mirror, Global Mirror for z/OS, and FlashCopy. 120 TB physical capacity is required per site. Only Fibre Channel drives can be

used. Which solution best meets the specified requirements?

A. two DS8700 systems with two-way processor cards and 600 GB FC drives
B. two DS8700 systems with four-way processor cards and LPAR
C. two DS8700 systems with two-way processor cards and two frames per system
D. two DS8700 systems with four-way processor cards and two frames per system

Correct Answer: D

QUESTION 32
A mainframe customer would like to receive a proposal for a mainframe storage system with 120 TB raw capacity. The mainframe server load is not too high, and they need hard disk drives with the lowest possible power consumption to keep operating costs low. The customer will not increase the capacity of their mainframe applications in the future but rather invest later into their System p servers. Which of the following solutions best meets these requirements at the lowest cost?

A. offer a DS8700 system with 600 GB FC drives
B. offer a DS8800 system with standard cabling and 600 GB SAS drives
C. offer a DS8800 system with business class cabling and 600 GB SAS drives
D. offer a DS8800 system with SATA drives

Correct Answer: C

QUESTION 33
A customer has a mission-critical application with redundant fabrics. The customer plans to replace older

EMC Symmetrix 8830 systems with an IBM System Storage DS8700 and an IBM SAN Volume Controller (SVC). Which statement best describes the way to minimize the impact of data migration on the production environment?

A. the production environment does not require an outage
B. the production environment requires an outage to install the SVC
C. the production environment requires an outage to install the DS8700
D. the production environment requires an outage to remove the EMC systems

Correct Answer: B

QUESTION 34
A customer RFP requires installation of an open system SAN and migration of 40 TB currently residing on ten UNIX servers (on internal server disk). The Service Level Agreement (SLA) requires no more than five minutes per week of planned downtime for backup. Which IBM System Storage solution is the most cost effective?

A. an IBM System Storage DS8700 with LTO tape drive
B. an IBM System Storage DS8700 with FlashCopy Manager
C. an IBM XIV Storage System
D. an IBM XIV Storage System with SAN Volume Controller

Correct Answer: C

QUESTION 35
A pharmaceutical company has a requirement for 8.5 TB of usable storage for a new data center. The customer has multiple host applications running on Solaris, Windows 2003, HP-U/X, Linux, and IBM System i platforms. Which IBM System Storage DS8000 volume configuration provides the best performance and highest availability for this customer?

A. RAID 3

B. RAID 5

C. RAID 6

D. RAID 10

Correct Answer: D

QUESTION 36
A Business Partner has proposed an IBM System Storage DS8700 that will have several AIX, Windows, and Sun Solaris servers attached via SAN. The customer has asked for detailed documentation on the steps needed to install the latest adapter drivers. What is the best document the Business Partner can suggest to accomplish this requirement?

A. the IBM System Storage DS8000 Interoperability Matrix

B. the IBM System Storage DS8000 Introduction and Planning Guide

C. the IBM System Storage DS8000 Host System Attachment Guide

D. the IBM System Storage DS8000 User's Guide

Correct Answer: C

QUESTION 37
On an IBM System Stoage DS8000 which of the following information pairs are mandatory to create a

volume?

A. extent pool id and volume id

B. extent pool id and volume name

C. volume id and extent allocation method

D. volume name and extent allocation method

Correct Answer: A

QUESTION 38
What are the minimum and maximum number of extent pools on an IBM System Storage DS8800 with 64 physical disks?

A. the minimum is 1 and the maximum is 8

B. the minimum is 2 and the maximum is 8

C. the minimum is 2 and the maximum is 16

D. the minimum is 1 and the maximum is 64

Correct Answer: A

QUESTION 39
An IBM Business Partner has sold a DS5020 and new IBM SAN switches to replace a customer EMC storage infrastructure. The customer dissatisfaction has arisen during the installation because according to the DS5020 interoperability matrix, two HP Proliant servers running Exchange have FC HBAs that are not supported. Which of the following is the most probable cause of the customer dissatisfaction?

A. The EMC storage specialist has not participated in the TDA meeting

B. The FC HBAs are 4 Gbps technology

C. The Technical and Delivery Assessment review actions were not executed

D. The customer should have checked that the HBAs are supported according to the HP storage interoperability matrix

Correct Answer: C

QUESTION 40
A Business Partner is proposing the installation an IBM XIV Storage System at a customer location. What is the best time to discuss floor space requirements for the solution?

A. during the Technical Delivery and Assessment
B. during installation of the equipment
C. prior to delivery of the XIV
D. during the solution proposal

Correct Answer: A

QUESTION 41
What must be specified to create an extent pool?

A. blocksize, rank group, and name
B. storage type, rank group, and name
C. storage type, capacity, and rank group
D. capacity, name, and storage type

Correct Answer: B

QUESTION 42
A company with three sites (one local production site, one intermediate site, and one remote site) wants to use Metro/Global Mirror. Which statement is correct about the volumes at the intermediate site?

A. the intermediate site volumes are Metro Mirror target volumes for the remote site
B. the intermediate site volumes are Global Mirror target volumes for the remote site
C. the intermediate site volumes are both Global Mirror source and Metro Mirror target at the same time
D. the intermediate site volumes are alsoFlashCopy sources for the remote site

Correct Answer: C

QUESTION 43
A customer is planning a combined solution of a 2 node SVC and DS8700 with 128x300 GB FC disks. During the TDA the reviewer compares the machine configuration with the customer's expectations. Which of the following customer requirements must be considered?

A. the number of SAN ports required by the solution
B. thin provisioning is mandatory
C. the solution needs to support RAID 0
D. the solution needs to be supported by the VMware Site Recovery Manager

Correct Answer: A

QUESTION 44
A customer has one IBM System Storage DS8300 in their main data center with one IBM DS6800 at their Disaster Recovery (DR) site. They are using the Remote Mirror and Copy (RMC) feature between the sites. They utilize Tivoli Storage Manager for backups. They would like to replace a Microsoft Windows server at the main site with a server at the DR site with a minimal amount of downtime. Which method will achieve their goals?

A. locate the Tivoli Storage Manager data set for the server at the DR site, do a full backup, recover the data to the DS6800, and make the data availableto the server B. create RMC relationships for all of the data on the server to the DS6800, shut down the server, and make the data available to the new server
B. shut down the server,create RMC relationships for all of the data on the server to the DS6800, and make the data available to the new server
C. recover the TSM backups to the DS6800 at the remote site, and make the data available to the new

server

Correct Answer: B

QUESTION 45
A storage specialist needs to automate some tasks triggered in the event of disaster recovery. What is the best solution to accomplish this?

A. using the DS GUI, step through Real Time Manager, Copy Services, Create custom scripts; actions and event conditions can be defined that triggerthe script; there is no need for a password
B. create a shell script usingdscli commands; trigger the script from the operating system, and call the script using the -pwd option with the password
C. create a password file; create a shell script using dscli commands; trigger the script from the operating system
D. create a password file; create a shell script usingdscli commands; trigger the script from the operating system; call the dscli script with the dscli -script <your script> -pwdfile command

Correct Answer: C

QUESTION 46
Which two components are created during configuration of space-efficient storage in an extent pool?

A. volume and virtual space
B. background copy and target copy
C. virtual space and repository space
D. source volume and target volume

Correct Answer: C

QUESTION 47
The customer forgot the admin password for the Storage Manager and had access denied to the storage. No additional admin accounts have been created. What should be done to access the storage again?

A. access the storage through the serial port and change the password for the admin account
B. log a call to IBM support
C. log in to the HMC and open a browser; no password is required
D. download a script from the IBM website and reset the password with the superuser account

Correct Answer: B

QUESTION 48
A storage specialist needs to create a new host connection using the DSCLI. Which of the following parameters identifies the host?

A. hosttype
B. volume group
C. ioports
D. WWPN

Correct Answer: D

QUESTION 49
Which statement is TRUE about the feature activation codes for an IBM System Storage DS6000 or DS8000?

A. the activation codes are for Copy Services only
B. the activation codes are obtained from a website
C. the activation codes are obtained from the installation CD
D. the activation codes are mailed to you

Correct Answer: B

QUESTION 50
A storage administrator wants to configure the DS8000 CIM Agent for Tivoli Storage Productivity Center for Disk Version 4.1.1. What is the required tool to configure the CIM Agent?

A. the DS command line interface
B. the Storage Manager interface on the HMC
C. the DS8000 Storage Manager
D. the DS CIM command line interface (DSCIMCLI)

Correct Answer: D

QUESTION 51
A client has bought an IBM System Storage DS8000 and needs to attach a Sun Solaris Host with 2 HBAs via one fabric to 4 I/O ports on the DS8000. The client needs redundant paths to the volumes on the DS8000. What is the maximum number of volumes that can be used on the Solaris host?

A. 256
B. 512
C. 1024
D. 2048

Correct Answer: C

QUESTION 52
A storage specialist wants to create a fixed-block volume in the extent pool P10, in rank group 0. Which of these volumes cannot be created?

A. 2001
B. 2B00
C. 3A01
D. 5E00

Correct Answer: B

QUESTION 53
A customer has bought an IBM System Storage DS8700 and wants to attach ten SuSE Linux Enterprise Server hosts to the DS8700 with multiple paths. What is the Multipathing Driver the customer needs?

A. PowerPath
B. Subsystem Device Driver Device Specific Module
C. Subsystem Device Driver Path Control Module
D. DeviceMapper Multipath

Correct Answer: D

QUESTION 54
During the TDA, it is determined that Global Mirror will be implemented. The IBM team wants to ensure that they have enough DS8800 fiber links to handle the mirroring workload. Which tool should be used to

determine the number of fiber links needed?

A. RMF Magic
B. Capacity Magic
C. Disk Magic
D. PerfMon

Correct Answer: C

QUESTION 55
What is a key differentiator between a DS8700 and DS8800 for a customer looking for a high capacity solution at the lowest cost?

A. DS8700 supports SATA drives
B. DS8800 supports more physical drives
C. DS8700 supports 2.5" disk drives
D. DS8800 supports 4Gbps FC drives

Correct Answer: A

QUESTION 56
A customer wants to purchase an IBM System Storage DS8700 to support a high-performance database environment. Which technical solution gives the customer the best relationship between I/O performance at the machine's backend vs. capacity installed in the machine?

A. additional installation of the first and second expansion frame will increase the backend performance capability
B. the usage of 300 GB/15k FC disks will give the server a high-performance backend capability
C. performance Accelerator restricts the number of disks connected to one device adapter pair to 32 disks
D. the second RIO-G loop between the base frame and the first expansion increases the backend performance

Correct Answer: C

QUESTION 57
A company has a 30 TB multi-vendor storage environment attached to System i and open systems. They are concerned about the time and effort caused by frequent migrations to new storage hardware for open systems data. In addition to consolidating their storage to a single platform, they would like to take advantage of advanced features such as Easy Tier and implement a three-site business continuity strategy. Which product provides the best long-term solution for this company?

A. IBM System Storage DS8000
B. IBM XIV Storage System
C. IBM System Storage N series
D. IBMStorwize V7000

Correct Answer: A

QUESTION 58
A global customer's IT strategy is based upon two DS8000 systems and an N series gateway. They want to protect their business by implementing a disaster recovery solution. The storage specialist has recommended cascaded mirroring. Which of the following is the business benefit of cascaded replication?

A. it is cost efficient, as a single N series or DS8000 can have its controllers split between the primary and secondary site and use semi-synchronousmirroring while using asynchronous mirroring to a third site
B. the second site acts as a repeater station so that greater geographical distances can be achieved

C. it provides high availability together with disaster recovery by implementing Metro/Global Mirror across three geographically dispersed systems

D. it guarantees data protection by implementing two synchronous copies of the primary site data

Correct Answer: C

QUESTION 59
Which IBM host-based device driver allows for path failover, while also providing dynamic load balancing

on a Windows 2000-based server?

A. PowerPath
B. MPIO
C. RDAC
D. SDD

Correct Answer: D

QUESTION 60
Which of the following statements about DS8000 hard drive technology is correct?

A. All types of the 2.5" disk drives offered by the DS8800 system have higher performance than the 3.5" disk drives supported by DS8700

B. The 2.5" disk drives included on the DS8800 support 6Gbps SAS; the 3.5" disk drives in DS8700 are 4 Gbps FC

C. The 2.5" disk drives included on the DS8800 support 8Gbps SAS; the 3.5" disk drives in DS8700 are 4 Gbps FC

D. The 2.5" 15k rpm drives offered by the DS8800 system support 6Gbps SAS-2

Correct Answer: D

QUESTION 61
Two DS8700 systems have been proposed for a disk-to-disk BC solution. Each system has 200 TB installed, with a data change rate of 18% per day. Two 2 Gbps CWDM links are in place between the remote data centers with an average utilization rate of 55%. The proposed solution includes additional CWDM ports. Which of the following should justify the additional CWDM ports?

A. the Disk Magic configuration report
B. an engineer from thetelcom providing the dark fiber
C. the bandwidth calculations
D. aCompeteLine analysis

Correct Answer: C

QUESTION 62
An international company has a heterogeneous IBM storage environment with two IBM DS8700 systems in a Metro Mirror relationship. They also have a virtualized environment with two SVC clusters in a Global Mirror relationship. The storage administrator complains about the monitoring of copy services. Which solution should the IBM storage specialist propose for this pain point?

A. System Storage Productivity Center
B. Tivoli Storage Productivity Center for Replication
C. Tivoli Storage Productivity Center for Disk
D. DS8000 Storage Manager

Correct Answer: B

QUESTION 63
A customer wants to purchase an IBM System Storage DS8000. The proposed location is in a data center on the third floor of an office building. Which document should the storage specialist consult to ensure that the DS8000 can be installed in the proposed location?

A. IBM Announcement Letters
B. IBM DS8000 Installation Guide
C. IBM DS8000 Introduction and Planning Guide
D. IBM Systems Storage Solutions Handbook

Correct Answer: C

QUESTION 64
A customer needs a remote data copy, data migration, and off-site backup solution. The solution cannot impact application performance. The sites are over continental distances. Which characteristic of DS8700 Global Mirror makes it a good fit for this customer?

A. it provides synchronous mirroring on both sides
B. it can be implemented withoutFlashCopy volumes at the target site
C. with Global Mirror, the Metro Mirror functions can be used over continental distances
D. it has almost no impact on application performance because of its extremely short and adjustable coordination time

Correct Answer: D

QUESTION 65
A customer's new IBM System Storage DS8000 must be raised by two floors in the building to place it in the computer room. In order to simplify the physical delivery, the storage specialist asks for_____.

A. a quotation for extra delivery services
B. the addition to the configuration of the feature "Shipping weight reduction" at no charge
C. an order of the DS8000 with the minimum number of drive sets allowed and an MES order for the remaining drive sets needed
D. an RPQ order to receive frames and drive sets separately

Correct Answer: B

QUESTION 66
The Business Partner technical specialist is planning the space requirements for a new IBM DS8000. The service clearance requirements refer to the area required to_____.

A. open the service covers and pull components for maintenance
B. distribute the weight of the storage unit
C. place the storage unit
D. allow the right airflow

Correct Answer: A

QUESTION 67
A customer would like to implement an IBM System Storage DS8000 solution. A Capacity Magic study has determined that 500 drives of 450 GB are required to meet the customer's capacity requirements. Limited space is available for additional systems in the data center. Which solution best meets the customer's requirements?

A. DS8800 system with three frames
B. DS8800 system with one frame

C. DS8700 system with two frames

D. DS8800 system with two frames

Correct Answer: D

QUESTION 68
A healthcare customer has an IBM System i server and an HP-UX server. They have high performance I/O, image-based, and archival applications. The customer has asked the IBM team for guidance on IBM DS8000 disk technologies. Which DS8000 disk technology would provide the best performance without regard to cost to meet the customer requirement?

A. 73 GB 15k and 300 GB 15k drives

B. 73 GB SSD and 2TB 7.2k drives

C. 146 GB 15k and 300 GB 15k drives

D. 146 GB 15k and 2TB 7.2k drives

Correct Answer: B

QUESTION 69
Which is a benefit of using the IBM DS8000 FlashCopy SE (PTC-SE)?

A. FlashCopy SE (PTC-SE) is much faster than the traditional DS8000 full-volume FlashCopy

B. FlashCopy SE (PTC-SE) also supports background copy

C. FlashCopy SE (PTC-SE) is optimized for use in cases where a high percentage of the source volume is updated during the life of the relationship

D. the additional capacity required forFlashCopy SE (PTC-SE) must only be planned for data which is changed on the source volume during host I/O transaction

Correct Answer: D

QUESTION 70
A customer has an EMC Symmetrix DMX-4 installed. The disk subsystem is coming off lease. The customer is considering an IBM System Storage DS8800. What is a key advantage of the DS8800?

A. The DS8800 has a higher disk RPM than the Symmetrix DMX-4

B. The DS8800 has higher capacity with more efficient footprint than the Symmetrix DMX-4

C. The DS8800 supports FlashCopy for internal array replication

D. The DS8800 supports external virtualization

Correct Answer: B

QUESTION 71
Which of the following statements about DS8000 hard drive technology is correct?

A. All types of the 2.5" disk drives offered by the DS8800 system have higher performance than the 3.5" disk drives supported by DS8700

B. The 2.5" disk drives included on the DS8800 support 6Gbps SAS; the 3.5" disk drives in DS8700 are 4 Gbps FC

C. The 2.5" disk drives included on the DS8800 support 8Gbps SAS; the 3.5" disk drives in DS8700 are 4 Gbps FC

D. The 2.5" 15k rpm drives offered by the DS8800 system support 6Gbps SAS-2

Correct Answer: D

QUESTION 72
What is a benefit of storage virtualization technology in the IBM System Storage DS8800?

A. fewer expansion units are needed

B. multiple workloads can be managed separately

C. resource isolation is eliminated

D. Linux can run in LPAR mode

Correct Answer: B

QUESTION 73

A customer has a wide range of IBM enterprise disk systems and wants to manage copy services functions. Which of the following products should the storage specialist recommend to this customer?

A. DS Hardware Management Console (HMC), because it manages ESS 800, DS6000, DS8000, and SVC storage servers

B. Tivoli Storage Productivity Center for Data, because it manages ESS 800, DS6000, DS8000, and SVC storage servers

C. Tivoli Storage Productivity Center for Replication, because it manages ESS 800, DS6000, DS8000, and SVC storage servers

D. External DS Hardware Management Console (HMC), because it manages ESS 800, DS6000, DS8000, and SVC storage servers

Correct Answer: C

QUESTION 74

Tiered disk systems (DS8700 and DS5020), tape backup and Cisco director(s) utilizing VSANs have been proposed as a solution. The storage specialist is asked to explain the technical advantage of using Cisco directors and VSANs. Which of the following is the key point to stress to the customer?

A. a single director and VSANs provides redundant fabrics at reasonable cost

B. prevent disk and tape traffic from sharing a host port

C. ease of implementation of Administrative Domains

D. ability to easily create a DS8700 LPAR to send data directly to tape

Correct Answer: B

QUESTION 75

A customer has multiple applications on multiple open platforms in their current environment based on IBM System Storage DS8100. They plan to set up a business continuity solution that meets the objective of zero or little data loss for their business critical data. The customer has indicated that cost is a factor. What should the storage specialist recommend?

A. a DS8700 in the Business Continuity site with a Metro Mirror license

B. a DS8700 with SAN Volume Controller in the Business Continuity site

C. a DS8700 in the Business Continuity site with Global Copy license

D. two new DS5300 servers (production and Business Continuity site) with a Global Copy license

Correct Answer: A

QUESTION 76

A customer has two data centers, 500 kilometers apart. The customer requests a proposal for new

storage subsystems and a disaster recovery solution that provides consistent data in the event of a disaster at the local site. Which IBM System Storage DS8000 solution should the storage specialist propose to the client?

A. Metro/Global Mirror

B. Metro Mirror

C. Global Copy

D. Global Mirror

Correct Answer: D

QUESTION 77
To optimize performance on an IBM System Storage DS8000, the input/output activity should be spread across_____.

A. multiple LUNs in a single array
B. multiple switches
C. multiple host bus adapters
D. multiple internal servers

Correct Answer: C

QUESTION 78
A customer has a primary (A) and a secondary (B) local data center. Now they plan to setup a third data center (C) approximately 700 kilometers away. All centers use DS8000. They need to have mission critical data available and consistent in all three sites. IBM is proposing a Metro Global Mirror solution. Which of the following licensed functions are required in the secondary (B) local data center machine?.

A. Metro Global Mirror license, Metro Mirror license, Volume Copy license
B. Metro Global Mirror license, Metro Mirror license, Global Mirror license
C. Metro Global Mirror license, Global Mirror license
D. Metro Mirror license, Global Mirror license,FlashCopy license

Correct Answer: B

QUESTION 79
A customer has an IBM System Storage DS8700 at their primary site and an XIV system at their recovery site, which is 9.5 kilometers away. They want to replicate data for disaster recovery backup. Which factor is a primary consideration when proposing a solution for this customer?

A. compatibility of copy functions
B. difference in capacities in the two systems
C. cache size discrepancies between the two systems
D. the necessity of using two storage management products

Correct Answer: A

QUESTION 80
A healthcare provider has two applications that they need to redundantly protect in a SAN environment. Their patient record application runs on Oracle 11i and consists of many small, randomly accessed files. The database is kept on three clustered Sun servers and currently uses 30 TB of data space. Their imaging application that retains and manages x-rays, consists of Filenet, CommonStore, and TSM

running on an IBM Power750 server, and is currently using 65 TB of data space. Which of the following disk solutions meets the customer's requirement?

A. IBM System Storage DS8700 2 way
B. IBM System Storage DCS9900
C. IBM System Storage DS8700 4 way
D. IBM XIV Storage System

Correct Answer: C

QUESTION 81
The storage specialist needs to prepare an IBM System Storage DS8800 proposal including 64 host ports. The offer needs to meet the lowest possible price. What is the minimum number of I/O Enclosure Pairs PCI-E for this configuration?

A. one I/O enclosure pair PCI-E
B. two I/O enclosure pairs PCI-E
C. four I/O-enclosure pairs PCI-E
D. eight I/O-enclosure pairs PCI-E

Correct Answer: B

QUESTION 82
A customer has installed an IBM System Storage DS8700 with 20 TB of storage, two-way processor version, 32 GB cache, and 16 Fibre Channel ports. The customer is beginning to experience throughput performance issues. To address this performance consideration with minimal cost to the customer, which of the following should be the FIRST step to resolve the problem?

A. add an expansion frame with additionalFibre Channel ports
B. increase the amount of storage by 20 TB
C. conduct a Disk Magic study to identify the source of the performance issue
D. add additionalFibre Channel ports to the existing DS8700

Correct Answer: C

QUESTION 83
During the pre-installation planning of a customer's recently purchased IBM System Storage DS8700 the port configuration, cabling, and disk layout were discussed. What other topic should be discussed in this solution review?

A. LPAR capacity planning
B. logical volume configuration
C. data migration process
D. audit hosts for HBA worldwide port names

Correct Answer: C

QUESTION 84
A customer has an existing IBM System Storage DS8700 2-way model with 8 mega packs of 300 GB disks and 16 fibre ports. How many additional fibre ports and mega packs can be installed in the base frame?

A. 16fibre ports and 0 mega packs
B. 4fibre ports and 8 mega packs
C. 8fibre ports and 4 mega packs
D. 12fibre ports and 0 mega packs

Correct Answer: A

QUESTION 85
A customer has the following non-virtualized servers:
-three Exchange servers, each with 2.8 TB database
-five System i Domino servers, each with 2 TB database
-20 TB usable capacitySun/SAP cluster
-70 TB usable capacity of System p requirement
-annual growth rate of 12 TB usable capacity per year What is the most cost-effective solution for three years?

A. IBM System Storage DS5020 with 300 GB drives
B. IBM System Storage DS5300 with 300 GB drives
C. IBM System Storage DS8700 with 300 GB drives
D. IBM System Storage DS5020 with 1 TB SATA drives

Correct Answer: C

QUESTION 86
A mainframe customer would like to receive a proposal for a mainframe storage system with 120 TB raw capacity. The mainframe server load is not too high, and they need hard disk drives with the lowest possible power consumption to keep operating costs low. The customer will not increase the capacity of their mainframe applications in the future but rather invest later into their System p servers. Which of the following solutions best meets these requirements at the lowest cost?

A. offer a DS8700 system with 600 GB FC drives
B. offer a DS8800 system with standard cabling and 600 GB SAS drives
C. offer a DS8800 system with business class cabling and 600 GB SAS drives
D. offer a DS8800 system with SATA drives

Correct Answer: C

QUESTION 87
A customer has the need for performance monitoring of an IBM System Storage DS8000. Which product does the customer need?

A. System Storage Productivity Center
B. Tivoli Storage Productivity Center for Data
C. Tivoli Storage Productivity Center for Disk
D. Tivoli Storage Productivity Center for Fabric

Correct Answer: C

QUESTION 88
A customer business requirement addresses data encryption implemented in tape and disk media. They plan to deploy a DS8700 to provide enterprise class storage and plan to configure the DS8700 with SSD and Fiber Channel disk drives. Which statement is TRUE regarding disk encryption?

A. SSD disk encryption does not consume space
B. SSD disk is faster than FC disk for encryption
C. no space is wasted due to encryption on DS8700
D. there is higher processor utilization using FDE drives

Correct Answer: C

QUESTION 89
A customer needs 40 TB for Tier 2 Information Lifecycle Management (ILM) data installed on the System z/VM. Their current data center is critically short of floor space. Which of the following would satisfy the customer requirement?

A. a DS5300 withFibre Channel drives
B. an XIV with 15 modules of 1 TB drives
C. a DS5100 with 2 TB SATA drives
D. an XIV with 6 modules of 1 TB drives

Correct Answer: B

QUESTION 90
A bank has requested proposals for a storage solution to upgrade their disaster recovery processes for their IBM System z, UNIX, and Microsoft Windows environment. The solution must simulate a multi-site environment and provide the customer the ability to evaluate Metro Mirror, Global Mirror, Global Mirror for z/OS, and FlashCopy. 120 TB physical capacity is required per site. Only Fibre Channel drives can be used. Which solution best meets the specified requirements?

A. two DS8700 systems with two-way processor cards and 600 GB FC drives
B. two DS8700 systems with four-way processor cards and LPAR
C. two DS8700 systems with two-way processor cards and two frames per system
D. two DS8700 systems with four-way processor cards and two frames per system

Correct Answer: D

QUESTION 91
A customer has 6.5 TB with 146 GB 15k disk drives on an IBM System Storage DS8700. They want to add 15 TB using 300 GB 15k disk drives. The customer is concerned about performance and wants to know if the DS8700 has the performance capability. What is the appropriate way to model the performance?

A. Disk Magic
B. Capacity Magic
C. test the workload at an IBM Benchmark Center
D. test the solution with IBM Storage Performance Center

Correct Answer: A

QUESTION 92
A customer has an IBM System Storage Enterprise Storage Server and several EMC CX3 systems installed in a data center, attached to IBM System p servers. As a step toward data consolidation, they intend to put all data on a new DS8700. What would be the most important data migration factors to consider?

A. sector size and the amount of production data
B. existing RAID levels and the disk drive speed
C. sector size and existing RAID levels
D. amount of production data and the disk drive speed

Correct Answer: D

QUESTION 93
What is one reason the customer should install IBM DS8000 Virtual Private Network (VPN) technology for the Call Home function?

A. to avoid using a more expensive dial-up modem
B. to load new licensed internal code
C. to achieve more efficient and faster problem resolution
D. to enable capacity on demand

Correct Answer: C

QUESTION 94
A customer using an IBM System Storage DS8700 is facing performance problems. After the analysis by the technical specialist, the diagnosis indicates that the cache hits may be improved by a cache upgrade. How can the system be monitored in order to check the benefits of the cache upgrade?

A. using the "vmstat" command on the AIX servers connected via SAN to the DS8700 system

B. look at the IOPS using the DS8700
C. reading the performance reports via Tivoli Storage Productivity Center for Disk
D. generating reports using theTotalStorage Expert

Correct Answer: C

QUESTION 95
A customer wants to collect performance data from a newly installed IBM System Storage DS8700 to determine if the system meets expected benchmarks using their application test data. Which tool best gathers the performance data?

A. IBM DS Storage Manager
B. Tivoli Storage Resource Manager
C. Tivoli Storage Productivity Center for Disk
D. Tivoli Storage Productivity Center for Data

Correct Answer: C

QUESTION 96
A customer has purchased three IBM System Storage DS8700 systems and would like to have their administrators trained. Which training alternative provides the necessary training with the least financial impact?

A. purchase the training CD for the disk subsystem and have the staff do self-paced training
B. have the IBM Service Support Representative perform the training
C. contact IBM Education Services for an onsite training class
D. send one person at a time to an IBM training session

Correct Answer: C

QUESTION 97
A customer recently installed new a SAN with an IBM System Storage DS8700 and several open systems servers to address a need for storage consolidation and still provide good response time. They have asked the Business Partner technical representative for the most complete IBM product that would allow them to do performance reporting of the new SAN environment. What is the best solution?

A. Tivoli Storage Manager
B. Tivoli Storage Productivity Center for Disk
C. Tivoli Storage Productivity Center Basic Edition
D. Tivoli Storage Productivity Center Standard Edition

Correct Answer: D

QUESTION 98
A customer with a single IBM System Storage DS8100 reports severe performance problems for some of their applications when a particular data warehousing application creates a heavy load. What is the most cost effective way to resolve this issue?

A. add additional disks to the DS8100
B. add more cache to the DS8100
C. move affected volumes to a different disk enclosure
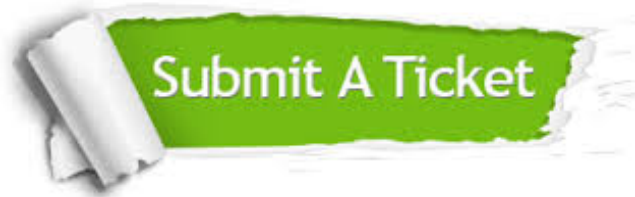D. implement TPC for Disk to monitor performance

Correct Answer: C

Trying our product !

★ **100%** Guaranteed Success

★ **100%** Money Back Guarantee

★ **365 Days** Free Update

★ **Instant Download** After Purchase

★ **24x7** Customer Support

★ Average **99.9%** Success Rate

★ More than **69,000** Satisfied Customers Worldwide

★ Multi-Platform capabilities - **Windows, Mac, Android, iPhone, iPod, iPad, Kindle**

Need Help

Please provide as much detail as possible so we can best assist you.
To update a previously submitted ticket:

One Year Free Update
Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.

Money Back Guarantee
To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.

Security & Privacy
We respect customer privacy. We use McAfee's security service to provide you with utmost security for your personal information & peace of mind.

Guarantee & Policy | Privacy & Policy | Terms & Conditions