IBM

Exam 000-113

IBM Storage Solution Design Entry/Midrange DS Series V1

Version: 5.0

[Total Questions: 177]

Topic 0, A

A

Question No : 1 - (Topic 0)

The total number of backend loops on a DS5300 storage server is _____.

A. 2
B. 4
C. 8
D. 16

Answer: D

Question No : 2 - (Topic 0)

The customer has an installed EMC CX3-80 with more than 80 TBs running i's production exchange and SQL databases. They would like to implement a tiered storage environment but do not like the idea of a single vendor solution. The customer wants to implement flashcopies, clones, and disaster recovery cross platform between sites. What solution could you offer the customer to meet their requirements?

A. Use IBM Tivoli Storage Manager (TSM) with DS4000 disk pools
B. Use System Storage Productivity Center (SSPC) for Data and install DS3400 storage
C. Propose the IBM Virtual Tape model 7520
D. Implement Storage pooling using the IBM SAN Volume Controller

Answer: D

Question No : 3 - (Topic 0)

How many total SAN zones are needed to implement an ERM solution with full redundancy?

A. 0
B. one zone per server and one zone per ERM port per SAN switch
C. 2
D. one per SAN port

Answer: C

Question No : 4 - (Topic 0)

You are responding to a customer RFI for a refresh of the high performance data warehouseing project and notice that it is written to highlight another vendor's technology. Where would you get detailed IBM product information and competitor comparison information?

A. Supportline
B. CompeteCenter
C. Techline
D. IBM Service and Support

Answer: B

Question No : 5 - (Topic 0)

What is the maximum number of drives that may be added to an array via a Dynamic Capacity Expansion (DCE) at one time?

A. 8
B. 4
C. 2
D. 1

Answer: C

Question No : 6 - (Topic 0)

What voltage range is allowable for the default DS5100 power supply?

A. 105 VAC to 115 VAC only
B. 205 VAC to 225 VAC only
C. 140 VAC to 145 VAC only
D. 100 VAC to 240 VAC only

Answer: D

Question No : 7 - (Topic 0)

A customer has a need for approximately 50TB useable of high performing disk to integrate into a new SVC environment. The engineer has advised the customer that they should use a 4+P RAID 5 approach with a global hot spare in each shelf to modularly add in a building block approach. Assuming 300GB 15K drives, it would take 240 disks to complete this. What solution would the Business Partner propose?

A. Four DS3400s & twelve EXP1000s using 300GB 15K SAS drives
B. One DS4800 & fourteen EXP810s using 300GB 15K Fibre drives
C. One DS5100s & twelve EXP810s using 300GB 15K Fibre drives
D. One DS5300 & fifteen EXP5000s using 300GB 15K Fibre drives

Answer: D

Question No : 8 - (Topic 0)

Your customer has very limited experience with external storage and SAN. You have proposed that the customer use the DS5300 storage subsystem. Your competition has provided the customer with a demo at their local lab. You do not have access to your companies BPIC or to an IBM lab or to mobile equipment, but the customer is insisting on a product demo in order to compare ease of use, form, function and feature. How can you accomplish this?

A. Download and install IBM DS Storage manager from the IBM sales kit on a customer computer to do a demo
B. Download and install IBM SMdemo package from the IBM sales kit on a customer computer to do a demo
C. Download and install IBM Storage manager from the IBM support and download site on a customer computer to do a demo
D. Download and install Disk Magic from the IBM system sales site and do the demo

Answer: B

Question No : 9 - (Topic 0)

How many host interface cards are located in a single DS5100 controller module?

A. 1
B. 2
C. 4
D. 8

Answer: A

Question No : 10 - (Topic 0)

Your customer has purchased a new DS4800 88A. They have used the SMdemo program to become familiar with Storage manager GUI, but they would like additional training on how to maintain this customer setup and maintained subsystem. Where would you direct them to find this additional training?

A. Contact your IBM Business Partner
B. Download IBM Redbooks
C. Buy IBM education packs
D. all of the above

Answer: D

Question No : 11 - (Topic 0)

An IBM Customer Engineer is on site installing a new DS5100. What reference guide would give instructions surrounding how to install the multipathing driver to attach to a POWER 6 Server running AIX?

A. Host Support Guide (HSG)
B. IBM Redbooks
C. DS5000 Support Matrix
D. DS5000 Implementation Cookbook

Answer: A

Question No : 12 - (Topic 0)

A customer has just purchased a new DS5000 and 16 EXP5000 expansion units. They would like to use the IBM 2101 rack and are concerned with space and power requirements. What is the minimum number of 2101-200 racks the customer needs, and how many PDU's are required per rack to provide full power redundancy?

A. 4 2101-200 each containing 2 9188 PDU's and 2 7188 PDU's
B. 4 2101-200 each containing 2 9188 PDU's
C. 2 2101-200 each containing 2 9188 PDU's
D. 2 2101-200 each containing 2 9188 PDU's and 2 7188 PDU's

Answer: C

Question No : 13 - (Topic 0)

A customer has a multi-terabyte streaming video environment. What RAID level would be the most cost effective for their performance?

A. RAID 1
B. RAID 5
C. RAID 6
D. RAID 10

Answer: B

Question No : 14 - (Topic 0)

Which of the following features can be demonstrated via the DS4000 Storage Manager Simulator?

A. Enhanced Remote Mirroring
B. SVC virtualization of logical drives
C. Physical disk migration
D. Configuration of the SAN switch

Answer: A

Question No : 15 - (Topic 0)

A customer requires at least 1TB of usable disk space. The current configuration calls for RAID 6 using 146GB FC drives. What is the minimum number of disk drives needed to provide the customer with the required usable capacity?

A. 6
B. 8
C. 10
D. 12

Answer: C

Question No : 16 - (Topic 0)

A customer is establishing an exchange configuration. Which is the least important storage metric needed to complete a preliminary storage assessment?

A. Size of user messaging store
B. Drive type
C. Array configuration
D. Throughput (MB/s) requirements

Answer: D

Question No : 17 - (Topic 0)

A customer would like to connect a DS5300 to a System x server running Windows 2008. Which of the below documents should be reviewed for compatibility of this solution?

A. eConfig
B. Disk Magic
C. Capacity Magic
D. DS5000 Performance Tuning Redbook

Answer: A

Question No : 18 - (Topic 0)

What is the maximum number of mirror relationships that can be maintained between two DS5000 storage systems using Enhanced Remote Mirroring?

A. 32
B. 64
C. 128
D. 256

Answer: C

Question No : 19 - (Topic 0)

A Customer has the need to consolidate their data center to a single enterprise class

_____

storage platform. They currently have fibre channel and SATA technology in use today. They are expanding their environment and will require more than 200 disk drives when fully implemented in the course of the next 18 months for quick recovery volumes, HSM and TSM storage pools. What platform makes the most sense?

A. DS4200
B. DS4700 Model 70
C. DS4700 Model 72
D. DS5300

Answer: D

Question No : 20 - (Topic 0)

What is the maximum link rate speed of the Ethernet management ports on a DS5000?

A. 10 Mb/s
B. 100 Mb/s
C. 1 Gb/s
D. 10 Gb/s

Answer: C

Question No : 21 - (Topic 0)

What features does Remote Support Manager (RSM) provide to your customer?

A. Firmware and software updates
B. Direct call to CE support
C. Dial back modem support
D. Upgraded warranty

Answer: C

Question No : 22 - (Topic 0)

Customer currently has a heterogeneous environment with requirements of drive scalability, FlashCopy for incrementals, VolumeCopy for full backups, and a solution to provide a disaster recovery strategy with disk-based mirroring. Within 18 months the

customer plans to consolidate IP base SAN infrastructure and would like to consolidate to a single platform. Which should the Business Partner propose to meet the current and future needs?

A. DS5300
B. DS4800 Model 88
C. DS4700 Model 72
D. DS3300

Answer: A

Question No : 23 - (Topic 0)

Which of the following path failover drivers is supported with the combination of DS5300 and Windows Server 2003?

A. SDD
B. DSM for MPIO
C. SecurePath
D. RDAC

Answer: B

Question No : 24 - (Topic 0)

A customer has a requirement that they be able to perform an online backup of their Oracle database environment. Which of the following DS5000 storage system premium features will allow them to potentially minimize the amount of time required to leave the server in hot backup mode?

A. Storage Partitioning
B. FlashCopy
C. VolumeCopy
D. Enhanced Remote Mirroring

Answer: B

Question No : 25 - (Topic 0)

A customer mentions to you that they are currently using PowerPath for path failover and load balancing in their datacenter. From this statement, which storage competitor can be inferred as being present in their data center?

A. HP
B. HDS
C. EMC
D. EqualLogic

Answer: C

Question No : 26 - (Topic 0)

A customer is considering upgrading their DS4800 to controller firmware release 7.10.23. Which of the following best describes the upgrade process?

A. All applications and servers accessing the DS4800 will need to halt I/O during the upgrade process
B. All applications and servers accessing the DS4800 can continue to process I/O normally during the upgrade process
C. Applications and servers accessing the DS4800 which are Unix-based will need to halt I/O during the upgrade process
D. The DS4800 does not support this controller firmware release

Answer: A

Question No : 27 - (Topic 0)

Which failover software is required in a Windows environment for a DS5000 product?

A. RDAC
B. MPP
C. SDD
D. MPIO with DSM

Answer: D

Question No : 28 - (Topic 0)