



Exam Code: 000-113

Exam Name: IBM Storage Solution Design
Entry/Midrange DS Series V1

Vendor: IBM

Version: DEMO

Part: A

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

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

Correct Answers: D

2: 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

Correct Answers: D

3: 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

Correct Answers: C

4: You are responding to a customer RFI for a refresh of the high performance data warehousing 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

Correct Answers: B

5: 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

Correct Answers: C

6: 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

Correct Answers: D

7: 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

Correct Answers: D

8: 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

Correct Answers: B

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

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

Correct Answers: A

10: 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

Correct Answers: D

11: 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

Correct Answers: A

12: 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

Correct Answers: C

13: 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

Correct Answers: B

14: 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

Correct Answers: A

15: 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

Correct Answers: C

16: 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

Correct Answers: D

17: 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

Correct Answers: A

18: 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

Correct Answers: C

19: 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

Correct Answers: D

20: 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

Correct Answers: C