

000-746 IBM certifications II IBM High-End Disk Solutions Version 5

Practice Exam: 000-746 Exams

Exam Number/Code: 000-746

Exam Name: High-End Disk Solutions Version 5

Questions and Answers: 160 Q&As

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1. A customer has several System i servers connected to an existing IBM TotalStorage Enterprise Storage Server and wants to purchase an IBM System Storage DS8100 for disaster recovery purposes. The distance between the sites is 200 km. Which of the following should the storage specialist recommend to ensure maximum data availability?

- A. Extended Remote Copy (XRC)
- B. Global Copy
- C. Global Mirror
- D. Metro Mirror

Answer: D

2. A customer has a requirement for a centralized disk solution that provides 2 TB of IBM System z attached storage, 1.2 TB of Microsoft Windows storage, and 2 TB of UNIX attached storage. All data is in a RAID-1 configuration. The customer also requires 4 TB of additional storage for Business Continuance Volumes (BCV). What is the minimum raw capacity that an EMC solution would most likely include?

- A. 9.2 TB
- B. 14.4 TB
- C. 16.8 TB
- D. 18.4 TB

Answer: B

3. A customer currently has an IBM System Storage DS8300, 2107 Model 922. If the customer upgrades the processor to the POWER5+ feature, what would be the expected performance (IOPS) improvement?

- A. 5%
- B. 15%
- C. 25%
- D. 40%

Answer: B

4. A customer has an existing IBM TotalStorage Enterprise Storage Server attached to a System z server via ESCON. They will be adding an IBM System Storage DS6800 connected to 20 new System p servers. Which of the following is the most appropriate customer training recommendation?

- A. Fibre Switch Implementation
- B. Copy Services Implementation
- C. pSeries Performance Tuning
- D. SAN Architecture and Problem Determination

Answer: D

5. A customer has already done a storage consolidation from some IBM FasTt 500s to a single IBM System Storage DS8100. After a major power outage in the datacenter, the customer decided to copy the most important data to a secondary location 70 kilometers away. Which of the following is the least costly solution for the customer?

- A. Add an IBM System Storage DS8100 on the secondary location and use advanced copy functions.
- B. Add an IBM System Storage DS6800 on the secondary location with IBM System Storage SAN Volume Controller.
- C. Use the available FasTt 500s with LVM.
- D. Use the available FasTt 500s with IBM System Storage SAN Volume Controller.

Answer: D

6. A customer has an installed IBM System Storage DS8100 with 20 TB of storage, 32 GB cache, and 16 Fibre Channel ports. The customer is beginning to experience throughput performance issues. To best address these performance considerations at minimal cost, which of the following steps should be suggested?

- A. Add an Expansion Frame with additional Fibre Channel ports.
- B. Convert the installed DS8100 to DS8300 with an additional Expansion Frame and additional FC ports.
- C. Add an additional DS8100.
- D. Add additional Fibre Channel ports to the existing DS8100.

Answer: D

7. A customer has the following configuration:

- A Data Warehouse application running on an IBM System z
- An Oracle Customer Relationship Management (CRM) application running on an IBM System p
- An on demand educational streaming video service running on an IBM System x

Which of the following is the least costly storage hierarchy for the environment?

- A. An IBM System Storage DS6800 for System z and System p, and an IBM System Storage DS4700 Express for System x
- B. An IBM System Storage DS8300 for System z and System p, and an IBM System Storage DS4700 for System x
- C. An IBM System Storage DS8300 for System z, System p, and System x
- D. An IBM System Storage DS6800 for System z, IBM System Storage DS4700 Express for System p and IBM DLT Tape Library for System x

Answer: A

8. An IBM System Storage DS8300 is being proposed to a company that has heterogeneous hosts. Which of the following is the most up to date source of information to validate that the DS8300 meets the requirements?

- A. DS8000 Implementation Redbook
- B. DS8000 Interoperability Matrix
- C. DS8000 Host Attachment Guide
- D. DS8000 Introduction and Planning Guide

Answer: B

9. Which of the following is the competitive advantage of the IBM System Storage DS6800 compared to the EMC DMX800?

- A. Smaller footprint
- B. System z attachment
- C. Modular expansion
- D. Redundant path failover

Answer: A

10. A customer recently implemented a data warehousing application. What disk subsystem attribute is most important for this type of application?

- A. Read performance and scalability
- B. Write performance and scalability
- C. Large cache capability
- D. Block and file input/output capability

Answer: A

11. A customer has installed an IBM System Storage DS8100 with 128 GB of cache. A performance analysis has determined that the customer needs more cache for a new workload. Which of the following will provide the necessary performance?

- A. Add an SVC with the maximum cache.
- B. Add a DS6800 with maximum cache.

- C. Upgrade the cache on the DS8100.
- D. Upgrade to a DS8300 with maximum cache.

Answer: D

12. What outcome can be determined from the use of SDD when the Dynamic I/O Load balancing option is enabled, if multiple paths from the host have the same load?

- A. A path is chosen based on adapter placement in the host.
- B. A path is chosen at random from those paths.
- C. A path is never chosen.
- D. The change path option will not be used.

Answer: B

13. A customer with an IBM System Storage DS8300 needs to create two logical partitions. During a review of expected input/output requirements, it is determined that one storage image will need 64 GB of memory while the other storage image needs 32 GB of memory. What is the minimal amount of memory required in the DS8300 to satisfy the requirements?

- A. 64 GB
- B. 96 GB
- C. 128 GB
- D. 256 GB

Answer: C

14. A sales team has proposed an IBM System Storage DS8100 configured with 10 TB raw capacity for both System z and System p capacity requirements. For their System z environment, 2 TB have been configured with an additional 3 TB for IBM FlashCopy. The System p environment has no requirement for IBM PTC. What is the correct license scope for this feature and required license capacity?

- A. All - 10 TB
- B. CKD and 3 TB
- C. CKD and 5 TB
- D. CKD and 10 TB

Answer: C

15. When using IBM System Storage DS Manager for the IBM System Storage DS8000 for the first time, what should be done?

- A. Perform logical configuration of the DS8000.
- B. Create users with operator authority.
- C. Change the password and userid.
- D. Get the product license keys through DSFA (DS Feature Activation) function.

Answer: C

16. A customer wants to consolidate storage from four IBM System p servers and one large System i server. The customer does not have a SAN installed. The customer will require approximately 4 TB for System p and 3 TB for System i. The customer states that performance and isolation of the System i system is most important. Capacity, multipath access, and replication functions are important for the System p servers. Which of the following best satisfies the customer requirements?

- A. IBM System Storage DS8100 with 300GB drives for the System p, 73GB/15K drives for System i, and advanced functions for System p capacity
- B. IBM System Storage DS8300 with LPAR, the 73GB/15K drives for System i, and 300GB drives and advanced functions for System p capacity
- C. IBM System Storage DS6800 with direct attach, 73GB/15K drives for System i performance, and 300GB drives and advanced functions for System p
- D. IBM System Storage DS6800 with 145GB/15K drives for System i, 500GB FATA drives for System p

Answer: B

17. An IBM System Storage DS8100 is installed with four FICON host adapters and four ESCON host adapters. Which design characteristic of the DS8100 gives the best arrangement for high availability?

- A. Adapters are evenly distributed across bays.
- B. FICON adapters are in different bays from ESCON adapters.
- C. Primary adapters are in odd-numbered slots, and alternate adapters in even-numbered slots.
- D. Primary adapters are in even-numbered slots, and alternate adapters in odd-numbered slots.

Answer: A

18. An IBM System Storage DS8100 customer wants to increase disk performance on a heavily loaded Sun server that has a single 2 Gb Fibre Channel connection. The system is in a 24 X 7 environment. Which of the following will meet the customer's requirements?

- A. Increase the DS8100 cache size.
- B. Add more disks and increase the number of LSS.
- C. Install a second FC path to the DS8100 and use multi-path software.
- D. Upgrade the FC connection to a 4 Gb port.

Answer: C

19. A customer is planning to replace a leased IBM TotalStorage Enterprise Storage Server Model 800 at a remote Disaster Recovery (DR) Collocation facility. The customer also needs a storage subsystem for testing purposes, which can be located at the DR site. The Business Partner is proposing a new DS8300 as a replacement. Which feature of the DS8300 is most likely to appeal to the Chief Information Officer?

- A. LPAR capabilities
- B. Smaller footprint
- C. Scalability improvements
- D. Availability superiority

Answer: A

20. An IBM Business Partner is analyzing customer requirements for a disk subsystem. To determine that the IBM System Storage DS8000 can operate in the customer's current host environment, what is the best source of information for the storage specialist to use?

- A. PartnerWorld
- B. PartnerLine
- C. Offline Configuration Tool
- D. IBM System Storage Web Site

Answer: D

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