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**Vendor:** IBM

**Exam Code:** C4090-455

**Exam Name:** High Volume Storage Fundamentals V3

**Version:** Demo

**Question No : 1**

A customer has a large campus facility and needs to connect storage in two different buildings that are 1 km apart. Which of the following cables would be used?

- A. SAS
- B. SCSI
- C. Single-mode fiber
- D. Multi-mode fiber

**Answer: C**

**Question No : 2**

On Monday, Wednesday and Friday a customer completes a backup of only the files that are changed from the previous full backup.

This is referred to as what type of backup?

- A. incremental backup
- B. differential backup
- C. full backup
- D. partial file backup

**Answer: D**

**Question No : 3**

A customer is in need of archiving a great amount of medical records for a government research project. These records are of patients, diseases, treatments and results. These records will be built over the term of 5 years and need to be archived for 20 years.

What would be the best solution to store these records and provide maximum and efficient record access?

- A. Tape Encryption
- B. Tivoli Key Lifecycle Manager
- C. Linear Tape File System

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D. Tivoli Endpoint Manager

**Answer: C**

**Question No : 4**

Which application would the technical specialist recommend for an application specific point-in-time copy?

- A. IBM Systems Director
- B. Tivoli Storage Manager
- C. Tivoli Storage Productivity Center
- D. Tivoli StorageFlashCopyManager

**Answer: D**

**Question No : 5**

A customer is using an aging EMO DMX and is running out of floor space in their data center. They are a loyal EMO customer but the 010 is willing to have a quick discussion with IBM.

What IBM storage efficiency technologies should be discussed to address their floor space issue?

- A. FlashCopy and replication
- B. tape automation and LTO tape
- C. storage virtualization and thin provisioning
- D. manual tiring and external virtualization

**Answer: C**

**Question No : 6**

A sales representative has been meeting with the IT Director, and discussing the small footprint and capacity of the DCS3700 and how this solution would allow them to add the needed capacity in a very small footprint. The IT Director has agreed to purchase the

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DCS3700 if the IT staff can perform day-to-day management of the new storage solution without extensive training.

What tool would be used to demonstrate the management capabilities of the DCS3700?

- A. Capacity Magic
- B. Disk Magic
- C. DDP Calculator Tool
- D. Storage Manager/Simulator

**Answer: D**

**Question No : 7**

A web based company has an online product catalog. During certain times of the year, there are peaks that stress the catalog database. The database is easily restored from DVD if corrupted.

To speed up response time, what RAID level would provide improved performance and maximum capacity?

- A. RAIDU
- B. RAID 10
- C. RAID5
- D. RAID6

**Answer: A**

**Question No : 8**

Which type of drive would be the most cost effective for tier 3 level data?

- A. Nearline SAS
- B. SSD
- C. Fibre Channel
- D. SCSI

**Answer: A**

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**Question No : 9**

Which IBM resource would a Business Partner without access to lab equipment use to provide a client proof of concept?

- A. IBM Innovation Center
- B. IBM Techline Pre-sales Support
- C. IBM Competeline
- D. IBM PartnerWorld

**Answer: A**

**Question No : 10**

Based on the LTO standard, what is the published data compression rate of LTO-6?

- A. 2.0:1
- B. 2.5:1
- C. 3.5:1
- D. 5.0:1

**Answer: B**

**Question No : 11**

The DS3500 technology of writing small amounts of mirrored data across all of the drives in a group is:

- A. RAID5
- B. DDP
- C. RAID6
- D. RAID DP

**Answer: B**

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**Question No : 12**

A customer is purchasing hardware that is on the IBM Trigger Criteria/Designated Product List.

What process is the technical specialist required to follow?

- A. RPQ
- B. CE installation
- C. Letter of intent to purchase
- D. Technical Delivery Assessment

**Answer: D**

**Question No : 13**

On a DS3500 the premium feature Backup and Restore Option consists of:

- A. 16 Enhanced Remote Mirrors and 32 Global Mirrors
- B. 512 point-in-time instances of EnhancedFlashCopy
- C. 256 Performance Read Cache partitions
- D. 256 Real-time Compression instances

**Answer: B**

**Question No : 14**

Which RAID levels are supported on the Storwize V3700?

- A. RAID 0, 5, 10 and DDP
- B. RAID0, 1, 5, 6 and 10
- C. RAID 0, 1, 3, 6 and 10
- D. RAID 0, 5, 6, 10 and 50

**Answer: B**

**Question No : 15**

What IBM software solution is required for encryption key management?

- A. Tivoli Storage Manager
- B. Tivoli Key Lifecycle Manager
- C. Tivoli Storage Productivity Center
- D. Tivoli Storage Manager Suite for Unified Recovery

**Answer: B**

**Question No : 16**

Where can the latest IBM Storage Customer Support Plan documents be found?

- A. IBM storage web site
- B. IBM Techdocs Library
- C. IBM support portal
- D. IBM CSP website

**Answer: B**

**Question No : 17**

What is a benefit of EO0E protocol in a Storwize V3700?

- A. Limits 1 Gbps traffic
- B. Requires a gateway function, usually called an ECForwarder (FCF)
- C. Includes IP headers and Ethernet (or other media) headers with every frame that adds payload
- D. Can use the Converged Enhanced Ethernet (CEE) to deliver lossless traffic over Ethernet

**Answer: D**

**Question No : 18**

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The customer has 25 application servers currently connected via direct attached storage. They need the ability to share storage between servers at a file level.

Which storage networking architecture would best fit?

- A. SAN
- B. NAS
- C. SNA
- D. DAS

**Answer: B**

**Question No : 19**

An SMB customer asks about the best way to implement an IBM BladeCenter S solution. They are excited about the local shared storage and want to be safe if a 6-Disk Storage Module (DSM) fails.

Assuming all 12 disks are used1 which RAID level will be best to implement?

- A. RAID 0
- B. RAID 1
- C. RAID 10
- D. RAID 5

**Answer: C**

**Question No : 20**

Which resource would give a technical specialist a competitive side-by-side comparison of different vendors' products?

- A. eConfig
- B. Sales Manual
- C. IBM InfoCenter
- D. Storage Competitive Sales Tool

**Answer: D**



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**Question No : 21**

A customer needs to complete their backup in a shorter amount of time. Which technology would help?

- A. Cloning
- B. Archiving
- C. FlashCopy
- D. Real-time compression

**Answer: C**

**Question No : 22**

In IBM Systems Director, what plug-in provides management for the DS3500?

- A. Storage Control
- B. VMControl
- C. Network Control
- D. Service and Support Manager

**Answer: A**

**Question No : 23**

If a customer is looking to move to a cloud environment, which key attribute should the storage provide to ensure the success of the cloud?

- A. storage virtualization
- B. real-time data compression
- C. homogeneous storage from one vendor
- D. integration of solid-state drives with high speed SAS drives

**Answer: A**

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**Question No : 24**

Which RAID level provides the best performance?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

**Answer: A**

**Question No : 25**

LTO tape encryption is available on which of the following LTO drives?

- A. LTO-2 and later
- B. LTO-3 and later
- C. LTO-4 and later
- D. All LTO generations

**Answer: C**

**Question No : 26**

What is the competitive advantage of a Storwize V3700 solution compared to entry disk systems from EMO, Dell, HP, HDS?

- A. It provides 99.999% availability
- B. It has thin provisioning as a standard feature
- C. It can virtualize disk systems from other vendors
- D. It can have SAS, EC, and SSD5 installed in one cabinet

**Answer: B**

**Question No : 27**

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Which of the following features can offload specific storage operations from VMware to compliant storage hardware resulting in less CPU, memory and storage fabric bandwidth consumption?

- A. VAAI
- B. vCenter
- C. ALUA
- D. VM Control

**Answer: A**

**Question No : 28**

On a DS3524, Dynamic Disk Pools are based on what industry standard RAID level?

- A. RAID 0
- B. RAID 1
- C. RAID 5
- D. RAID 6

**Answer: D**

**Question No : 29**

Where can documentation on when and how to correctly utilize the TDA process be found?

- A. Techline
- B. Pedbooks
- C. Support Line
- D. Solution Assurance Library

**Answer: D**

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