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**Vendor:**EMC

**Exam Code:**E20-018

**Exam Name:**Virtualized Data Center and Cloud  
Infrastructure Design Specialist

**Version:**Demo

### QUESTION 1

An application processes test results from a manufacturing facility, then generates and archives quality reports. The application has been in production for five years.

The application was developed by an outsourced company that is no longer in business. The source code is not available. It can run on any current Microsoft Windows Server operating system.

What is this an example of?

- A. Vendor lock-in
- B. A legacy application
- C. An enterprise application
- D. Service-oriented architecture

Correct Answer: A

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### QUESTION 2

You are creating dimension classifications for applications. You are considering attributes such as data size, availability requirements, RTO/RPO, compute resources, management method, and access.

What is the goal of this analysis?

- A. Standardization
- B. Flexibility
- C. Granularity
- D. Modularity

Correct Answer: A

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### QUESTION 3

Which product performs virtualized data caching across heterogeneous storage arrays?

- A. VMAX
- B. VNX
- C. VPLEX
- D. Atmos

Correct Answer: C

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#### QUESTION 4

What is typically included with an IaaS bundle featuring compute, storage, and networking?

- A. Encryption technology
- B. Management tools
- C. Integrated development environment
- D. Storage virtualization

Correct Answer: B

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#### QUESTION 5

An organization is establishing a second data center and needs to have high speed, low latency LAN and SAN connectivity between the two sites. They are only able to obtain two standards of dark fiber due to the cost.

Which technology will allow them to fulfill their requirements?

- A. FCoE
- B. MPLS
- C. DWDM
- D. FCIP

Correct Answer: D

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#### QUESTION 6

What is a key advantage of Cisco SME relative to other encryption products?

- A. Provides a data encryption solution for disk or tape storage
- B. Can offload encryption processing to hosts
- C. Can offload encryption processing to both hosts and storage arrays
- D. Can leverage RSA Key Manager for key management

Correct Answer: A

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#### QUESTION 7

An organization uses Linux desktops, laptops, and servers for their primary infrastructure. The company has a business need to run an application that is only available for the Microsoft Windows operating system. This application needs to

be available to approximately one third of their 100 desktop and laptop users.

There is concern about the stability of the application and how a single failure might impact multiple users in a shared environment.

Which solution would best meet their needs, and why?

- A. VDI, because it provides true user segmentation
- B. RDS, because it allows all users to share a single instance of an application
- C. VDI, because it provides the highest density per user
- D. RDS, because it provides better fault tolerance

Correct Answer: A

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### QUESTION 8

A company has finished the design for their VDC. They realize that they should also include a few design considerations to prepare them for cloud.

What is a key business reason for the company to build a cloud-based service?

- A. Speed and agility
- B. Cost savings
- C. Multi-tenancy
- D. Chargeback

Correct Answer: A

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### QUESTION 9

A tenant of your service provider/hosting company requires that their data be completely isolated from other tenant data.

Which implementation would best meet the tenant's requirement?

- A. Separate ports with dedicated LUNs
- B. Separate ports with dedicated pools
- C. Shared ports with dedicated pools
- D. Shared pools with separate LUNs

Correct Answer: B

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### QUESTION 10

You are planning to deploy a virtualized application in a high-availability configuration with automated VM restart on a hypervisor cluster. Your sizing estimates show that peak workload conditions will saturate the processing power of three hypervisor servers.

To meet the SLA, N+2 redundancy is required on the hypervisor servers, with server utilization not to exceed 75% under any conditions.

What is the minimum number of nodes that you should configure in the hypervisor cluster?

- A. 5
- B. 6
- C. 7
- D. 8

Correct Answer: B

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### QUESTION 11

Consider the following: virus scanning software, email clients, and word processing software. Which type of application are they?

- A. Horizontal
- B. Mobile
- C. Enterprise
- D. Legacy

Correct Answer: A

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### QUESTION 12

You are using virtual (thin) provisioning to reduce the amount of physical storage that is initially required for an implementation.

On the storage array, you configure a pool that contains 10 TB of physical storage and then define several LUNs that total 50 TB. These LUNs are presented to several hypervisor clusters. Virtual Machines are subsequently created using a thick format for the virtual hard disks.

What is the maximum capacity that can be allocated for VM hard disks in this configuration?

- A. 10 TB
- B. 50 TB
- C. 60 TB

D. 100 TB

Correct Answer: A