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**Vendor:** EMC

**Exam Code:** E20-002

**Exam Name:** Cloud Infrastructure and Services Exam

**Version:** Demo

**QUESTION NO: 1**

In which Cloud deployment model would an organization see operational expenditures grow in proportion to capital expenditures?

- A. On-premise Private Cloud
- B. External Private Cloud
- C. Public Cloud
- D. Hybrid Cloud

**Answer: A**

**Explanation:**

**QUESTION NO: 2**

What is the Cloud service model offered by EMC Mozy?

- A. Software-as-a-Service
- B. Platform-as-a-Service
- C. Infrastructure-as-a-Service
- D. Virtualization-as-a-Service

**Answer: A**

**Explanation:**

**QUESTION NO: 3**

As an organization leverages more resources from Cloud service providers, which expense of the organization would be expected to grow larger?

- A. Power and energy
- B. Management
- C. Infrastructure
- D. Operational

**Answer: D**

**Explanation:**

**QUESTION NO: 4**

What best describes the "metered service" characteristic of Cloud computing?

- A. Consumers are billed based on resource usage.
- B. Services are provisioned based on their demand.
- C. Metering services are created when required from the resource pools.
- D. Metering services can scale up and down based on resource usage.

**Answer: A**

**Explanation:**

**QUESTION NO: 5**

Which Cloud service model allows the user to run any operating system and application?

- A. Platform-as-a-Service
- B. Infrastructure-as-a-Service
- C. Software-as-a-Service
- D. IT-as-a-Service

**Answer: B**

**Explanation:**

**QUESTION NO: 6**

Which Cloud service model is most appropriate for application development?

- A. Infrastructure-as-a-Service
- B. Platform-as-a-Service
- C. Software-as-a-Service
- D. IT-as-a-Service

**Answer: B**

**Explanation:**

**QUESTION NO: 7**

An organization runs a proprietary operating system for its custom applications. System performance has been declining at an increasing rate. They would like to leverage a Cloud solution to address their problem.

Which Cloud service model would be appropriate for them?

- A. Infrastructure-as-a-Service
- B. Platform-as-a-Service
- C. Software-as-a-Service
- D. IT-as-a-Service

**Answer: A**

**Explanation:**

#### **QUESTION NO: 8**

Which problem is addressed by RAID technologies?

- A. Data corruption
- B. Data backup
- C. Data loss
- D. Data security

**Answer: C**

**Explanation:**

#### **QUESTION NO: 9**

Which is a benefit of server clustering?

- A. High CPU utilization
- B. High availability
- C. High memory utilization
- D. High security

**Answer: B**

**Explanation:**

**QUESTION NO: 10**

Which RAID type uses parity to protect against data loss?

- A. RAID 3
- B. RAID 0
- C. RAID 1
- D. Nested

**Answer: A**

**Explanation:**

**QUESTION NO: 11**

Which RAID types use no parity in protecting against data loss?

- A. RAID 1 and Nested
- B. RAID 0 and RAID 6
- C. RAID 3 and RAID 5
- D. RAID 5 and Nested

**Answer: A**

**Explanation:**

**QUESTION NO: 12**

Which component retrieves data from disk in an Intelligent Storage System?

- A. Front-end
- B. Cache
- C. LUN
- D. Back-end

**Answer: D**

**Explanation:**

**QUESTION NO: 13**

Which component of a compute system performs the creation and control of logical storage?

- A. Volume Manager
- B. Operating System
- C. DBMS
- D. Application

**Answer: A**

**Explanation:**

**QUESTION NO: 14**

Which is used to logically group FC ports?

- A. Zone
- B. VLAN
- C. Mask
- D. ISL

**Answer: A**

**Explanation:**

**QUESTION NO: 15**

Which parameter uniquely identifies a switch in a SAN environment?

- A. Area ID
- B. Port ID
- C. Domain ID
- D. WWN

**Answer: C**

**Explanation:**

**QUESTION NO: 16**

Which protocol is most commonly used for compute-to-compute communication?

- A. TCP/IP
- B. FC
- C. FCIP
- D. iSCSI

**Answer: A**

**Explanation:**

#### **QUESTION NO: 17**

Which term is used to describe the virtual space in which all nodes communicate with each other in a SAN environment?

- A. Fabric
- B. Fibre Channel
- C. Loop
- D. Trunking

**Answer: A**

**Explanation:**

#### **QUESTION NO: 18**

What is a benefit of an Object based storage system?

- A. It uses multiple object IDs for high security
- B. It provides fast replication
- C. It ensures data integrity
- D. It enables fast backup

**Answer: C**

**Explanation:**

#### **QUESTION NO: 19**

Which are components of FCoE?

- A. Converged Network Adapter and Fibre Channel Forwarder

- B. Bridging and E\_port
- C. E\_port and Zoning
- D. TCP/IP and Fibre Channel

**Answer: A**

**Explanation:**

#### **QUESTION NO: 20**

A compute resource is accessing data from storage over a network at the block level. Which statement is true about the associated file system?

- A. It is managed by the compute resource.
- B. It is managed by the storage.
- C. It is part of the network.
- D. It is managed by the application.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 21**

Which enables distributed FC SAN islands to interconnect over a WAN?

- A. FCoE
- B. CEE
- C. ISCSI
- D. FCIP

**Answer: D**

**Explanation:**

#### **QUESTION NO: 22**

Which FC port type is located on the compute system's HBA?

- A. N\_port
- B. E\_port



- C. F\_port
- D. G\_port

**Answer: A**

**Explanation:**

#### **QUESTION NO: 23**

Which port type should be designated to allow an FC switch port to automatically determine its functionality during initialization?

- A. G\_port
- B. N\_port
- C. F\_port
- D. E\_port

**Answer: A**

**Explanation:**

#### **QUESTION NO: 24**

What does the Recovery Time Objective (RTO) define?

- A. Amount of data loss that a business can endure between an outage and recovery
- B. Period of time by which systems and applications must be recovered after an outage
- C. Number of applications that are mission critical for a business to recover after an outage
- D. Period of time needed to detect a fault and determine its cause prior to recovery

**Answer: B**

**Explanation:**

#### **QUESTION NO: 25**

An administrator wants to perform replication between heterogeneous storage arrays over a WAN. Which technology should you recommend to the administrator?

- A. SAN-based replication
- B. Three site replication

- C. Array-based replication
- D. Silvering

**Answer: A**

**Explanation:**

#### **QUESTION NO: 26**

What is a key advantage of pointer-based, full volume replication in Copy on First Access (COFA) mode compared to Full Volume mirroring?

- A. The replica device size is smaller than the original.
- B. The source device is not required for restore.
- C. The replica is immediately accessible.
- D. The replica only holds pointers to the source data.

**Answer: C**

**Explanation:**

#### **QUESTION NO: 27**

Which data center management activity ensures business continuity by eliminating single points of failure?

- A. Availability management
- B. Capacity management
- C. Performance management
- D. Security management

**Answer: A**

**Explanation:**

#### **QUESTION NO: 28**

Which is a key benefit of implementing an ILM strategy?

- A. Lower total cost of ownership
- B. Lower recovery time

- C. High performance
- D. High security

**Answer: A**

**Explanation:**

#### **QUESTION NO: 29**

Which metric can be used for monitoring performance bottlenecks?

- A. Number of replication task failures
- B. Number of I/Os to the disk
- C. Number of login failures
- D. Number of used and free ports on a switch

**Answer: B**

**Explanation:**

#### **QUESTION NO: 30**

A storage administrator receives an alert message that a new LUN has been created. Based on severity, how should this alert be classified?

- A. Warning
- B. Fatal
- C. Information
- D. Normal

**Answer: C**

**Explanation:**

#### **QUESTION NO: 31**

A storage administrator receives an alert message that a disk has failed. Based on severity, how should this alert be classified?

- A. Fatal
- B. Warning

- C. Information
- D. Normal

**Answer: A**

**Explanation:**

**QUESTION NO: 32**

Which is a benefit provided by Hyper-threading in a virtualized server environment?

- A. Improved CPU utilization
- B. Logical CPU load balancing
- C. Improved memory utilization
- D. Improved virtual machine security

**Answer: A**

**Explanation:**

**QUESTION NO: 33**

Transparent page sharing is employed in a compute system. What occurs if a write to a shared page is attempted?

- A. Data is overwritten on the page.
- B. A shared copy of the page is created.
- C. The shared page size is extended.
- D. A private copy of the page is created.

**Answer: D**

**Explanation:**

**QUESTION NO: 34**

What is the key function of the balloon driver in the memory ballooning technique?

- A. To demand memory from guest OS and later relinquish it under the control of the hypervisor
- B. To demand memory from the hypervisor and later relinquish it under the control of the virtual machine

- C. To extend memory using a swap file under the control of the hypervisor
- D. To extend memory using a swap file under the control of the virtual machine

**Answer: A**

**Explanation:**

#### **QUESTION NO: 35**

What happens to a swap file if the associated virtual machine is powered off?

- A. The swap file is deleted.
- B. The content of the swap file is preserved.
- C. The swap file is emptied.
- D. The swap file remains open for use by the hypervisor.

**Answer: A**

**Explanation:**

#### **QUESTION NO: 36**

What is required to convert a physical machine to a virtual machine when using cold mode?

- A. Converter switch
- B. Converter Boot CD
- C. Converter server
- D. Converter agent

**Answer: B**

**Explanation:**

#### **QUESTION NO: 37**

What is the correct sequence of steps for performing cold conversion from a physical machine to a virtual machine (VM)?

- A. The converter application creates a new VM on the destination physical machine.
- B. The converter application copies volumes from the source machine to the destination machine.
- C. Boot the source machine from the converter boot CD and use converter software to define

conversion parameters.

**D.** The converter application installs the required drivers to allow the OS to boot from the VM and personalizes the VM.

**Answer: C**

**Explanation:**

### **QUESTION NO: 38**

How does a virtual machine appear to a hypervisor?

- A.** As a discrete set of files
- B.** As a physical machine
- C.** As a remote server
- D.** As a file system

**Answer: A**

**Explanation:**

### **QUESTION NO: 39**

Which type of hypervisor is recommended if the organization's primary concern is performance of virtual machines?

- A.** Bare-metal
- B.** Hosted
- C.** Built-in
- D.** Encapsulated

**Answer: A**

**Explanation:**

### **QUESTION NO: 40**

Which statement is true about a virtual machine (VM) swap file?

- A.** It stores the state of the VM BIOS.
- B.** It exists only when the VM is running.

- C. It stores configuration information of VMs.
- D. It is used for troubleshooting VMs.

**Answer: B**

**Explanation:**

**QUESTION NO: 41**

Which component provides the ability to power off the virtual machine?

- A. Virtual Machine Console
- B. Virtual Machine Monitor
- C. Virtual Machine Controller
- D. Virtual Machine BIOS

**Answer: A**

**Explanation:**

**QUESTION NO: 42**

What is a function of Virtual Machine Monitor?

- A. Binary translation
- B. File system management
- C. Virtual machine troubleshooting
- D. Process scheduling

**Answer: A**

**Explanation:**

**QUESTION NO: 43**

Which component optimally assigns physical CPU resources to virtual machines?

- A. Guest OS kernel
- B. CPU load balancer
- C. Hypervisor scheduler
- D. Virtual machine controller

**Answer: C**

**Explanation:**

**QUESTION NO: 44**

An administrator decides to power on a virtual machine (VM) that has less memory available in a resource pool than the configured reservation parameter.

What would be the expected outcome?

- A. The VM will fail to power on.
- B. The VM will crash after boot up.
- C. The VM will power on in safe mode.
- D. The VM will power on normally but perform poorly.

**Answer: A**

**Explanation:**

**QUESTION NO: 45**

Which statement about automated storage tiering is true?

- A. Data movement is performed non-disruptively.
- B. Total size of the required storage is reduced.
- C. It provides automated storage provisioning.
- D. It is performed only within a storage array.

**Answer: A**

**Explanation:**

**QUESTION NO: 46**

Which network component performs physical-to-virtual volume mapping?

- A. Logical Volume Manager
- B. Virtualization appliance
- C. Virtual Machine File System



D. Virtual machine

**Answer: B**

**Explanation:**

**QUESTION NO: 47**

What are the three deployment models offered by EMC VPLEX?

- A. Local, metro, and geo
- B. Local, remote, and multi-site
- C. Local, remote, and geo
- D. Local, metro, and wide

**Answer: A**

**Explanation:**

**QUESTION NO: 48**

Which statement about virtual machines is true?

- A. They are not aware of the underlying storage technology used.
- B. They are not aware of the size of the virtual disk.
- C. They are aware of the underlying storage technology used.
- D. They are aware of the type of storage media used.

**Answer: A**

**Explanation:**

**QUESTION NO: 49**

In file-level storage virtualization, what maps the logical path of a file to the physical path name?

- A. Virtual Machine File System
- B. Raw Device Mapping
- C. Global namespace
- D. File system extent

**Answer: C**

**Explanation:**

**QUESTION NO: 50**

Which technique ensures that the used capacity of the disk drives in a thin pool is uniform after a new drive is added?

- A. Rebalancing
- B. Reordering
- C. Leveling
- D. Resizing

**Answer: A**

**Explanation:**

**QUESTION NO: 51**

Which network component is used to connect a virtual machine to a virtual switch?

- A. Virtual NIC
- B. Virtual HBA
- C. Physical NIC
- D. Uplink port

**Answer: A**

**Explanation:**

**QUESTION NO: 52**

Which event occurs when network broadcast traffic reaches the Storm Control threshold, assuming Storm Control is enabled at the switch?

- A. Switch port bandwidth is extended, based on the pre-configured peak bandwidth.
- B. The switch port forwards broadcast traffic partially, maintaining the traffic rate below the threshold level.
- C. The switch port blocks broadcast traffic and drops subsequent broadcast frames over the next time interval.

D. Switch port bandwidth is extended, based on the pre-configured share value.

**Answer: D**

**Explanation:**

### **QUESTION NO: 53**

What is enabled by using NIC teaming?

- A. Failover to another available physical NIC in the event of a physical NIC failure
- B. Balancing of traffic across both active and standby NIC team members
- C. Allocation of bandwidth to broadcast, multicast, and unicast traffic, based on priority
- D. Transfer of data to a LUN on a FC storage system using multiple network links

**Answer: A**

**Explanation:**

### **QUESTION NO: 54**

Click the calculator icon in the upper left-hand corner.

An administrator has configured the following traffic shaping parameters for a distributed virtual switch:

Average bandwidth: 1 Kb/s

Peak bandwidth: 4 Kb/s

Burst size: 3 Kb

What happens if a 6 Kb/s burst of data arrives at the switch port?

- A. Some of the frames of the burst will be queued or dropped by the switch.
- B. The burst will remain for 0.5 seconds without queuing or dropping frames.
- C. The burst will remain for 1.5 seconds without queuing or dropping frames.
- D. All the frames of the burst will be dropped.

**Answer: A**

**Explanation:**

**QUESTION NO: 55**

Which is a component of Cisco Nexus 1000V?

- A. Virtual Switch Node
- B. Virtual Supervisor Module
- C. Virtual Internet Module
- D. Virtual Service Node

**Answer: B**

**Explanation:**

**QUESTION NO: 56**

Under which condition of communicating nodes does routing occur across virtual networks?

- A. When they are on different virtual networks, but belong to the same physical network
- B. When they are on the same virtual network, but belong to different physical networks
- C. When they are on the same virtual network and physical network
- D. When they are located on different geographic locations, but belong to the same virtual network

**Answer: A**

**Explanation:**

**QUESTION NO: 57**

Which is a function of a virtual switch?

- A. Directs network traffic to and from virtual machines
- B. Maintains MAC address table to perform OSI layer 3 operations
- C. Shares bandwidth of a physical NIC with other virtual switches
- D. Enables configuring load balancing policies across virtual HBA ports

**Answer: A**

**Explanation:**

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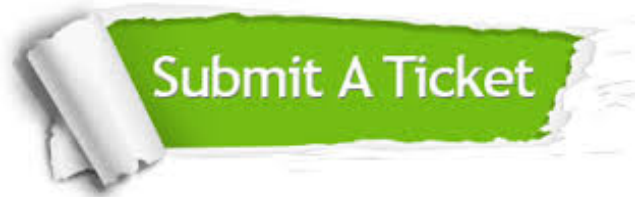
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