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CV0-001

CompTIA Cloud+ Certification Exam

Sections
1. Volume A
2. Volume B
3. Volume C
4. Volume D

Exam A

QUESTION 1
Which of the following will allow the network administrator to verify that one IP is assigned to one VM?

A. Virtual Local Area Network
B. Reservations
C. Resource Pooling
D. Storage allocation

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 2
A storage administrator wants to limit an operating system from accessing all of the storage within the array. Which of the following could be enabled on the SAN?

A. LUN masking
B. Implement different file formats
C. Access control lists
D. Data at rest encryption

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 3

A company is required to provide their customers with zero downtime for its web application. Which of the following would satisfy this requirement?

A. Cold site
B. High availability
C. Multipathing
D. Load balancing

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 4
Which of the following cloud services provides billing, payroll, contract management, and human resource management functions?

A. CaaS
B. SaaS
C. BPaaS
D. DaaS

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 5
Which of the following cloud delivery models is deployed over a company intranet or company-hosted datacenter?

A. Private cloud
B. Hybrid cloud
C. Community cloud
D. Public cloud

Correct Answer: A

Section: Volume A
Explanation

Explanation/Reference:

QUESTION 6
Which of the following would create an efficient means of accessing and organizing data in a cloud environment, as well as provide a list of useful, relevant data?

A. Blob data
B. Object ID
C. Replicas
D. Metadata

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 7
Which of the following hypervisor types runs on a host operating system that provides virtualization services, including memory management and device support?

A. Type II hypervisor
B. Proprietary hypervisor
C. Type I hypervisor
D. Open source hypervisor

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 8
Users on a network report that they are unable to access any external websites, however, they are able to access resources by IP address. Which of the following command line utilities would be used FIRST in troubleshooting this problem?

A. netstat
B. telnet
C. nslookup
D. ipconfig

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 9
Which of the following storage technologies would be MOST appropriate for installations where fast data access time is paramount?

A. USB
B. Tape
C. HDD
D. SSD

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 10
A web hosting company received reports of slow performance from four out of the five clients. Upon investigation, it was determined that a hosted virtual machine was using more RAM and CPU than the others. Which of the following MOST likely contributed to the issue?

A. Hard quota limits
B. Soft quota limits
C. Storage allocation
D. Resource pooling

Correct Answer: D

Section: Volume A
Explanation

Explanation/Reference:

QUESTION 11
Which of the following access control types allows users to assign security attributes to objects such as files and directories?

A. Role based
B. Mandatory
C. Discretionary
D. Rule set based

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 12
An administrator is tasked to perform a P2V migration of a critical application. Which of the following steps should the administrator perform FIRST before the migration?

A. Harden the operating system
B. Migrate the server in a development environment
C. Contact the vendor for compatibility requirements
D. Establish a performance baseline

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 13
Which of the following networking components would be used to connect two subnets in a virtual environment?

A. Virtual switch
B. Virtual disks
C. Virtual router
D. Virtual HBA

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 14
Which of the following could be assigned to a virtual CPU?

A. Cores
B. HBAs
C. LUNs
D. Stepping

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 15
Which of the following could be reviewed on devices to help determine whether unauthorized access has occurred?

A. Antivirus
B. Firewall

C. Audit logs
D. IDS

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 16
Which of the following reduces the risk of known attacks from being successful?

A. DLP techniques
B. Patching frequency
C. Mandatory access controls
D. Encryption methods

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 17
How many cores are available to the resource pool with a Type I hypervisor that has 4 quad core processors installed?

A. 16
B. 24
C. 32
D. 64

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 18
Which of the following describes the access control method where data owners authorize who is granted access to their files?

A. Mandatory access control
B. Role-based access control
C. Access control list
D. Discretionary access control

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 19
Which of the following will provide the MOST network address information possible for a system that belongs to a tenant in a private cloud?

A. ipconfig
B. telnet
C. traceroute
D. nslookup

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 20
Some of the VMs in an environment are experiencing network connectivity loss. The VM management network has no connectivity issues. Which of the following could cause this connectivity issue?

A. NIC teaming is disabled
B. Faulty host NIC port
C. Wrong NIC load balancing mode
D. Slow NIC

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 21
Users have been reporting slow response times on a database server. The administrator noticed the server at any given time has between 30 to 50 users connected to various databases. Additional research shows disk metrics such as disk queuing and disk access rates are both around 10% to 15%. Which of the following can be the root cause of this slow performing server?

A. The CPU time reservation is small.
B. The swap disk space is small.
C. The server has fewer resources than required.
D. I/O tuning is disabled.

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 22
A web server is offline. Which of the following will allow the FASTEST possible recovery of the web server?

A. Operating system and application backups
B. Image backups
C. Operating system backups only
D. File backups

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 23
Which of the following is a MINIMUM requirement for VM online migration?

A. Same CPU family between source and target hosts.
B. Same network equipment between source and target hosts.
C. Same hardware vendor for the datacenter.
D. Same hypervisor versions between source and target hosts.

Correct Answer: A
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 24
Which of the following is a subcomponent of a virtual machine?

A. Virtual switch
B. Virtual HBA
C. Virtual shield
D. Virtual OS

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 25
Which of the following BEST defines RAID 4?

A. RAID 4 allows two failed drives.
B. RAID 4 requires a minimum of 4 disks.
C. RAID 4 has a dedicated parity drive.
D. RAID 4 is less secure than RAID 5.

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 26
Which of the following MUST be in a zone? (Select TWO).

A. Initiator
B. Target
C. CNA
D. HBA
E. Fibre Channel

Correct Answer: AB
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 27
To avoid the same LUN showing up multiple times in client hosts, an administrator should implement:

A. Multipathing software
B. Multiple HBAs
C. Multiple zones
D. Multiple initiators

Correct Answer: A

QUESTION 28
Ubiquitous access to cloud computing means:

A. access by any person
B. access by any device through any network connection
C. access by authorized personnel only
D. international access across country borders

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 29
Which of the following attributes BEST describes "elasticity" in cloud computing? (Select TWO).

A. Universal access
B. Multi-tenancy
C. Portability
D. Cost effectiveness
E. Scalable
F. Off premises

Correct Answer: DE
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 30

Which of the following factors yields cost savings in cloud computing? (Select TWO).

A. Shared resources
B. Availability
C. Ubiquitous access
D. Multi-tenancy
E. On premises

Correct Answer: AD
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 31
A company has an existing internal network that hosts confidential information. However, this network also has a connection to a separate site. The separate site is managed by a third party organization that has an SLA with the company. Which of the following BEST defines this cloud delivery model?

A. Private Cloud
B. Public Cloud
C. Community Cloud
D. Hybrid Cloud

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 32
Which of the following business continuity designs provides the highest degree of fault tolerance?

A. Cold Site
B. Site Mirroring
C. Warm Site
D. Hot Site

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 33
Monitoring alarms should be set based on:

A. A high point for every performance counter in the system.
B. The point of application installation.
C. Acceptable application performance criteria.
D. Support availability.

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 34
Which of the following access control methods could allow for a network user to sign onto their corporate network and their supplier's network portal without having to enter their ID and password more than once?

A. Discretionary access control
B. Mandatory access control
C. Role-based access control
D. Federated access control

Correct Answer: D

QUESTION 35
A user is notified that they will be terminated at the end of the day. As they start cleaning up their workstation, they try to FTP information from their workstation to a cloud-based, personal backup solution. Which of the following hardening techniques would be used to restrict their ability to transfer this information via FTP?

A. Antivirus
B. NIPS
C. NIDS
D. Host-based firewall

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 36
Which of the following is MOST important when working in highly available virtual environments?

A. Storage VLAN
B. Virtual network
C. Wide area network
D. Heartbeat VLAN

Correct Answer: D
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 37
A datacenter migration is taking place and the administrator has been tasked with reducing the footprint of the new datacenter by virtualizing as many servers as

possible. A physical server has been flagged as a candidate for relocation to the new data center. Which of the following methods would be the FIRST method for relocating the server to the new data center?

A. V2V
B. V2P
C. P2V
D. P2P

Correct Answer: C
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 38
A critical hypervisor security patch has been released and needs to be rolled out as soon as possible. Which of the following steps can be taken to minimize downtime for all guest VMs currently running?

A. In the next scheduled maintenance window, apply patch, reboot host, and wait for all VMs to come back online.
B. In the next scheduled maintenance window, migrate VMs to another host. Remove host from any availability clusters, patch host, reboot host, and place host back into availability cluster.
C. In the next scheduled maintenance window, shut down all VMs, apply patch, reboot host, and wait for all VMs to come back online.
D. In the next scheduled maintenance window, migrate VMs to another host. Remove host from any availability clusters, unplug network cables from host, patch host, reboot host, reconnect network cables, and place host back into availability cluster.

Correct Answer: B
Section: Volume A
Explanation

Explanation/Reference:

QUESTION 39
Which of the following cloud models would be used when implementing a company's email system in the cloud?

A. PaaS
B. IaaS
C. SaaS

D. XaaS

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 40
Which of the following describes federated access control?

A. Secure Sockets Layer
B. Trusted
C. Digital Identity
D. Federated Communication

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 41
Which of the following is the BEST means of ensuring resource utilization remains even across the hosts?

A. Resource pooling
B. VM affinity
C. Dynamic VM placement
D. VM high availability

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 42
Which of the following can an administrator implement to achieve boot on SAN?

A. Thin provisioning
B. vNIC
C. NPIV
D. NAT

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 43
An administrator has configured a cluster but one of the VMs returns an error when attempting to automatically fail-over to another host in the cluster. Which of the following should be verified?

A. All VLANs have been tagged
B. Datacenter bridging has been configured
C. All hosts are in the same virtual network
D. Multipathing has been configured on the virtual network

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 44
Which of the following describes the combination of a disk, computer, and a network into a pool of resources to efficiently allocate resources?

A. Virtual resource reservation

B. Zoning

C. Load balancing

D. Converged infrastructure

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 45
An administrator has implemented a self-service provisioning portal in the company and has associated a cost to CPU, memory, storage, and OS type. Which of the following cloud computing options has been configured?

A. Cloud bursting

B. Chargeback

C. Multi-tenancy

D. Reservations

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 46
The Chief Information Officer (CIO) of a company would like to close one of the company's four datacenters. The CIO has asked the administrator to perform tests to determine if the servers can be migrated to a public cloud located in another region. Which of the following tests should the administrator perform specific to the location change, to determine if user experience will be impacted?

A. Network latency

B. CPU wait time

C. I/O throttling

D. File read/write

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 47
Which of the following can be used by the cloud consumer and provides a visualization of key service metrics?

A. Dashboard
B. API
C. Home Page
D. Interface

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 48
A company just received a shipment of brand new blade servers and an administrator has been tasked with virtualizing the blade fabric switches. Which of the following would be used to accomplish this?

A. iSNS
B. V2P
C. P2V
D. NPIV

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 49

The administrator is required to accommodate 200GB of online (near-line) storage for the monthly backups while minimizing cost. Which of the following disk types should be purchased?

A. SATA
B. SSD
C. SAS
D. FC

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 50
Which of the following would BEST ensure uninterrupted communication from the storage controller to the SAN?

A. QoS
B. Multipathing
C. Zoning
D. Flow control

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 51
An administrator is unable to communicate with the physical server via RDP. When using an IP KVM a successful connection was established with the server. Which of the following is being used?

A. SSO
B. Console
C. Guest tools
D. SSH

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 52
Which of the following backup types will enable scheduled point-in-time recovery of data and is accessible to end-users?

A. Image backup
B. Asynchronous replication
C. File system snapshot
D. Virtual machine cloning

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 53
Several clients hosted on a cluster, is BEST referred to as:

A. IaaS.
B. PaaS.
C. multi-tenancy.
D. on-premise hosting.

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 54
Which of the following provides insight information when investigating potential security breaches but does not make changes to the environment? (Select TWO).

A. IPS
B. IDS
C. Log reviews
D. Firewalls
E. ACLs

Correct Answer: BC
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 55
When conducting penetration testing on production systems during business hours, such testing will MOST likely cause disruption to operations when doing which of the following?

A. When testing account lockout policies
B. When checking file system ACLs
C. When footprinting the network
D. When discovering service versions

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 56
Which of the following ports is generally associated with a UDP based service?

A. 22
B. 25
C. 53
D. 80

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 57
Which of the following encryption technologies would MOST likely be used to protect in-transit user data on a publicly accessible service?

A. SSL
B. RSA
C. IPSEC
D. AES

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 58
High CPU wait times can often be attributed to:

A. I/O throttling.
B. Old processors on hypervisors.
C. Too many virtual machines on a single host.
D. Too few virtual CPUs on the guests.

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 59
A government agency wants to create a common environment that would allow them to share documents with other agencies using a cloud model. Which of the following would be the BEST approach?

A. Hybrid cloud
B. Community cloud
C. Private cloud
D. Public cloud

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 60
Which of the following terms would describe a cloud characteristic that hosts separate customers on shared infrastructure?

A. Flexible
B. Fractured
C. Diversified
D. Multi-tenancy

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 61
The Chief Information Officer (CIO) of a company is tasked to save costs by reducing datacenter space. The administrator explains that virtualization of servers will support this task as a benefit of migrating to a cloud environment known as:

A. Increased server efficiency.
B. Infrastructure consolidation.
C. Total cost of ownership reduction.
D. Increased availability.

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 62
A company needs to have a system that allows for high availability access to data for users. Which of the following terms BEST describes how a storage engineer would design the system to allow for that level of redundancy?

A. Dual homing
B. Traffic shaping
C. Network binding
D. Multipathing

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 63
A company wants to build a cloud environment where individual departments can host applications and data on shared resources, but users cannot access data that is outside of their department without specific permissions. To deploy an architecture that meets this requirement, the network administrator will need to employ which of the following configurations on the switches?

A. Port security
B. Packet shaping
C. Routing tables
D. VLANs

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 64
Which of the following protocols allows fibre channel to be transmitted over the network?

A. HBA
B. FCoE
C. NFS
D. iSCSI

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 65
Which of the following is an example of vertical scaling?

A. Adding memory to a host
B. Adding CPU to a VM guest
C. Adding memory to the VM guest
D. Migrating all VM guests from one host to another in a cluster

Correct Answer: A
Section: Volume B

Explanation

Explanation/Reference:

QUESTION 66
After deploying VM guests from a VM template on an NFS datastore, the administrator has discovered misaligned VM guest partition offsets in multiple VM guests. Which of the following represents a complete solution for improving I/O performance?

A. Correct the VM guest partition offset in the deployed VMs
B. Correct the VM guest partition offset in the deployed VMs and use the correct LUN alignment offset for the VM guest OS
C. Correct the VM guest partition offset in the VM template
D. Correct the VM guest partition offset in the VM template and the deployed VMs

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 67
The Chief Technology Officer (CTO) has recently implemented a policy requiring all critical systems, including the virtualized environment to be highly available in the primary datacenter. The organization also maintains a cold site for disaster recovery. Which of the following BEST satisfies this requirement?

A. Implement two hosts in a local cluster in the primary datacenter.
B. Implement two hosts in the primary datacenter.
C. Implement two hosts in a geo-cluster, one in the primary datacenter and one in the cold site.
D. Implement data mirroring between the primary datacenter to the cold site.

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 68
Which of the following would mitigate a "ping of death" attack?

A. IDS appliance
B. Proxy appliance
C. Load balancing appliance
D. Firewall appliance

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 69
An IPS is used to:

A. Authenticate users
B. Detect unauthorized access
C. Block unauthorized access
D. Establish SSL access

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 70
An administrator deployed a VM from a template which has the firewall disabled. The server IP address is manually assigned. The administrator cannot ping the server by IP address or DNS hostname and has logged in from the hypervisor management console to verify the TCP/IP settings are correct. Which of the following is MOST likely the cause of the issue?

A. The routing table is incorrect.
B. The virtual NIC is not bridged.
C. The VLAN tag is incorrect.
D. The guest tools are not installed.

Correct Answer: B

QUESTION 71
Which of the following protocols could be used to identify the OS version installed on a server?

A. WMI
B. IMAP
C. TLS
D. SMTP

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 72
Which of the following goals are met by multi-port link aggregation? (Select TWO).

A. LUN zoning
B. Link clustering
C. Port linking
D. Load balancing
E. Fault tolerance

Correct Answer: DE
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 73
Hardware compatibility among multiple hosts guarantees which of the following?

A. Host migrations
B. Supportability
C. Online VM migrations
D. Storage migrations

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 74
Which of the following actions should be taken when a VM reports high swap file utilization?

A. Move the swap file to faster storage
B. Online migration of the VM to a less congested host
C. Disable memory ballooning on the VM
D. Increase its RAM setting

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 75
A developer is storing a large number of images in binary format to call for a website. Which of the following BEST describes this type of storage object?

A. Object ID
B. Extended metadata
C. Metadata
D. Data blob

Correct Answer: D
Section: Volume B

Explanation

Explanation/Reference:

QUESTION 76
Which of the following would assist in preventing malware from spreading in a cloud environment?

A. Software-based firewall
B. Deploy DMZ
C. Implement a honeypot
D. Antivirus software

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 77
Which of the following are components of an Object-Based Storage system? (Select TWO).

A. HBAs
B. Public Network
C. Nodes
D. Private Network
E. Mainframes

Correct Answer: CD
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 78
The Chief Information Officer (CIO) tells the IT department that all non business critical production applications can be down for no more than 48 hours. Which of the following has the CIO defined?

A. Failback
B. RPO
C. RTO
D. Failover

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 79
An administrator receives an automated text that indicates a server hosting a critical app is unavailable. Upon further review, the server needs to be restored from backup. Which of the following defines the amount of time a restore cannot exceed?

A. Failback
B. Failover
C. RTO
D. RPO

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 80
A new self-service provisioning system has been deployed to serve the company's rapid VM provisioning needs. Since the website is in the DMZ, HTTPS is required, but company policy states that SSL certificates can not terminate at the server. The company also has a requirement that the web portal be redundant while providing session state. Which of the following availability technologies can be used to meet the company's requirements?

A. Failover
B. Multipathing
C. Load balancing
D. Failback

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 81
Which of the following offers 128, 192, and 256 bit encryption?

A. AES
B. DES
C. RC4
D. RC5

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 82
Which of the following can limit VM mobility in a host cluster based on architectural differences?

A. HBA
B. Switch
C. CPU
D. NIC

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 83
A company has hired a new Chief Security Officer (CSO). While reviewing the company's RAID levels on business critical data volumes, the CSO has decided to change the RAID level to allow for the best protection against number of disk failures. Which of the following RAID levels will accomplish this?

A. RAID 0+1
B. RAID 1+0
C. RAID 1
D. RAID 6

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 84
A storage administrator has created five new LUNs for a company's virtual cluster. The company uses iSCSI to connect to storage. Which of the following is needed to present the newly created LUNs on the virtual cluster?

A. WWNN
B. IQN
C. WWPN
D. VLAN

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 85
Which of the following BEST describes the need for LUN Masking?

A. A storage administrator needs to isolate storage networks.

B. A storage administrator needs to establish storage recovery points.

C. A storage administrator needs to control which servers are able to access specific LUNs.

D. A storage administrator needs to establish storage replication points.

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 86
A company has purchased a new self-service provisioning system and has brought in a consultant to deploy the system. During the installation the application attempts to connect to the database server but fails. Which of the following could cause the connection issue?

A. The consultant has not been granted log in rights to the database server

B. The database has not been configured for data de-duplication

C. The consultant has not been granted sa rights to the database instance

D. Necessary firewall ports have not been opened

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 87
An administrator creates a new VM, but after powering on the VM, the administrator receives the message "no boot device detected". Which of the following needs to be done to resolve this problem?

A. Mount a NIC that is connected to the virtual switch

B. Migrate the VM to a new host
C. Connect the host to working VM storage
D. Mount an ISO containing an operating system

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 88
An administrator creates a new virtual desktop for a user. The user is unable to log in with their domain credentials. However, the administrator is able to log in with a local administrator account and ping other VDIs on the same subnet. Which of the following does the administrator need to correct?

A. Flow control settings of TCP/IP
B. Gateway on the network adapter
C. VLAN on the virtual switch
D. Virtual router

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 89
Elasticity is closely related to which of the following cloud characteristics?

A. On-demand
B. Pay-as-you-grow
C. Chargeback
D. On-premise hosting

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 90
An administrator is troubleshooting the cause of multiple VMs which are suddenly going offline. Which of the following is the FIRST step in troubleshooting the issue?

A. Review LUN configurations for errors
B. Review Fibre Channel zoning configuration
C. Review system logs on the host
D. Review VM OS multipathing software configuration

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 91
An administrator is configuring access to hypervisors that will allow them to connect in the event that the management network is down. This type of access is referred to as:

A. Secure shell.
B. NIC teaming.
C. Out-of-band.
D. Serial port mapping.

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 92
A system administrator is testing various types of software within VMs on a local workstation while surfing the Internet on a host. Which of the following BEST describes the hypervisor architecture that the administrator is using?

A. Type II
B. Type I
C. Open source
D. Proprietary

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 93
A business has a virtualized environment which relies on specific file types, formats, and vendor supported tools. The business is MOST likely using which of the following?

A. Type II
B. Type I
C. Open source
D. Proprietary

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 94
Which of the following would be considered a cold site?

A. A site that has air conditioning available, but no heat
B. A duplicate site that has replication enabled
C. A site that has telecommunications and network available
D. A site that is completely functional and staffed

Correct Answer: C
Section: Volume B

Explanation

Explanation/Reference:

QUESTION 95
Encryption ensures which of the following? (Select TWO).

A. Access control
B. Data loss
C. Confidentiality
D. Authentication
E. Data integrity

Correct Answer: CE
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 96
A company has just established a new branch office that needs to connect back to centrally hosted applications for day to day operations. The branch office has noted that access to many company services are slow and causing a drop in productivity. The company IT department has investigated a plan to improve performance across the link to the branch office without having to pay for more bandwidth from the Internet Service Provider. This plan includes hardware that after installation will allow for much faster access to day to day business applications. Which of the following terms BEST describes the action taken by the IT department?

A. LAN optimization
B. WAN optimization
C. Load balancing
D. Bandwidth compression

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 97
Which of the following deployment models BEST meets the requirement to host some of a company's applications in a third party environment while retaining control over some of their data?

A. Hybrid
B. Private
C. Community
D. Public

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 98
Management has implemented a policy which states that the OS, the swap file, and data must each reside on its own disk. The virtualization administrator has deployed a VM from a template that has one virtual disk configured. Which of the following steps MUST the administrator take to comply with policy?

A. Add two virtual disks to the VM
B. Create two partitions on the existing virtual disk
C. Create three partitions on the existing virtual disk
D. Add three virtual disks to the VM

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 99
An administrator is responsible for maintenance and support of servers in the cloud environment. There are over 500 virtual servers spanning across ten physical hosts. The administrator deploys a new application server. The administrator allocated the appropriate virtual resources for the application. Users report slow response after the new server was deployed. Which of the following is the cause of this issue?

A. Storage allocation on the guest OS
B. Resource pooling mis-configuration
C. Application licensing expiration
D. Data segregation on the host OS

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 100
Which of the following hypervisors will allocate resources MORE efficiently?

A. Type I
B. Proprietary
C. Type II
D. Open source

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 101
A system administrator identified an issue on a critical server that is hosted in the cloud. The user community is affected by this issue, but is still able to work. A reboot is needed to rectify this issue. Which of the following steps should the administrator do FIRST to resolve this issue?

A. Contact the user community

B. Establish a back-out plan
C. Enter a change request
D. Reboot the server

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 102
An administrator is tasked with ensuring that any new virtual server deployed will meet the minimum requirements for the environment. Which of the following items would be included in a baseline for a VM template? (Select TWO).

A. Database
B. CPU
C. Encryption keys
D. Security patches
E. IP address

Correct Answer: BD
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 103
A new host has been bought to be a part of a new cluster. The purchase order specifies this server has four physical CPUs with eight cores each. After the administrator boots the host, there are only 24 logical processors available for VM allocation. Which of the following BEST describes this problem?

A. The server requires a firmware upgrade to version 8.2
B. The BIOS does not have virtualization support features completely enabled
C. The virtualization license is not the enterprise edition
D. A CPU is dead on arrival or disabled on the motherboard

Correct Answer: D
Section: Volume B

Explanation

Explanation/Reference:

QUESTION 104
A programmer removes OS software from a laptop during development of a new prototype for the company. After the code is promoted from development to QA, none of the QA testers can get the application to work. Which of the following is MOST likely the cause of the application not working properly in QA?

A. QA systems require a reboot after a new application is installed
B. Programmer did not compile the code properly
C. Programmer put the source code in repository without any validations
D. QA systems are missing patches

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 105
Which of the following will allow the administrator to be able to reduce Internet Service Provider costs for two sites that have replication as a preferred method for disaster recovery events?

A. Caching on two sites
B. Redirection
C. Caching on one site
D. Compression

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 106
In a storage fabric, which of the following is the primary way to implement multipathing?

A. Formatting

B. Scaling

C. Zoning

D. Caching

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 107
Geo-clustering protects against which of the following?

A. Data corruptions

B. Global disasters

C. Denial of Service

D. Regional disruptions

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 108
Which of the following virtualization implementations yields the HIGHEST performance of the same hardware configuration?

A. CPU emulation

B. Type I

C. Memory ballooning

D. Type II

Correct Answer: B
Section: Volume B

Explanation

Explanation/Reference:

QUESTION 109
A group of users can no longer access a number of different LUNs hosted across multiple hosts. Which of the following failures could have caused this issue?

A. CPU failure
B. Fabric failure
C. Memory failure
D. NIC failure

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 110
A corporate office allows employees to work remotely, using their personal computers to access network resources through a browser-based gateway. Which of the following settings should be applied to the virtualized application running on the gateway to reduce the risk of company information being transferred to employees' personal machines?

A. Disable the ability to copy and paste
B. Encrypt the employees' personal computer hard drives and disable the ability to paste
C. Encrypt the employees' personal computer hard drives and disable the ability to print
D. Disable the ability to paste and read

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 111
A company has a virtualized environment. Hosts are configured to dynamically assign resources from the resource pool as required. Ann, an administrator is remotely connected to a host and is adding ten more guests. She suddenly looses connection to the host and fails to reconnect. Ann now finds that the server no

longer responds when pinged. Which of the following BEST describes the issue?

A. Over allocation of guest resources
B. Over allocation of virtual resources
C. Over allocation of storage resources
D. Over allocation of host resources

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 112
A cloud based global multiplayer game is an example of which of the following?

A. CaaS
B. SaaS
C. PaaS
D. IaaS

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 113
A start-up company has recently gone public and is experiencing unexpected growth. Which of the following cloud service models would allow the company to provide internal email quickly to new employees?

A. PaaS
B. CaaS
C. SaaS
D. IaaS

Correct Answer: C

QUESTION 114
Which of the following tools would an administrator use to configure a host server when the WAN to the company's network was down?

A. Console Port
B. Virtual Private Network
C. Access Control Lists
D. Intrusion Detection System

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 115
Which of the following tables would an administrator use to find a list of paths to network nodes?

A. Port table
B. VPN tagging
C. ARP table
D. Route table

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 116
Which of the following network terms describes the process of grouping similar traffic on a network?

A. VLAN tagging
B. Virtual switches
C. Supernetting
D. Route tables

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 117
Which of the following would an administrator implement between a host and a guest to allow the virtual server to connect to a third party USB drive license key?

A. Port mapping
B. NAT
C. Console port
D. PAT

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 118
Which of the following disk drive types would be the BEST for a mission critical application with low latency requirements?

A. FC
B. SATA
C. SSD

D. SAS

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 119
Which of the following is the BEST answer for implementing a feature that will remove a single point of failure between a SAN and host?

A. MPLS
B. MTBF
C. MTU
D. MPIO

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 120
An administrator has been reviewing a cloud provider's website and would like to view the current information about all services available. Which of the following should the administrator analyze?

A. Catalog
B. CMDB
C. Quote
D. Service request

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 121
A fault tolerant storage array with clustered nodes is being installed. Which of the following would be the BEST description of this type of array?

A. Active- Active
B. Passive-Passive
C. Passive-Active
D. Active-Passive

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 122
An administrator is investigating performance issues related to database application response time that is not within the baseline. Which of the following is the symptom of the performance issue?

A. Aggregation
B. Latency
C. Throttling
D. Bottleneck

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 123
A JBOD is being monitored and an administrator notices that a high number of writes occur in short timeframes in the last 24 hours. Which of the following BEST describes this issue?

A. I/O bursting
B. I/O throttling
C. I/O threshold

D. I/O saturation

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 124
An administrator notices one of the VMs hosting an application server is consuming more CPU resources over time. As a result, the host is running near 90% CPU capacity at peak time. Which of the following is the BEST method to alleviate this issue while minimizing downtime?

A. Online storage migration
B. Online migration to a new host
C. Upgrade the host CPU to increase resources
D. Add a new virtual CPU

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 125
An administrator has logically grouped several VMs and configured settings describing the minimum memory requirement for the group. This is a description of which of the following?

A. Resource mapping
B. Resource pooling
C. Storage limits
D. Logical volume manager

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 126
Which of the following is the BEST classification for a hosted IP phone PBX?

A. BPaaS
B. SaaS
C. XaaS
D. CaaS

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 127
A company has two datacenters in different cities. When one of the datacenters loses power, there is near instant failover to the other datacenter. This is an example of which of the following?

A. Warm site
B. Hot site
C. Offsite storage
D. Backup

Correct Answer: B
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 128
An administrator finds and removes an "any any" allow rule. Which of the following is the administrator MOST likely modifying?

A. VPN
B. IDS
C. SSH

D. ACL

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 129
An administrator has noticed that a 500MB file is taking over three hours to move over a 10Gbps link. Which of the following is MOST likely responsible for this performance?

A. Bandwidth
B. Compression
C. Caching
D. Latency

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 130
Which of the following locations would a system engineer MOST likely place a NAS storage device for VM image files?

A. In the same subnet as the associated hypervisors
B. Outside of the external router
C. In a remote datacenter for geographic diversity
D. Behind a LUN mask to maximize obfuscation

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 131
A system administrator repeatedly gets reports of files becoming unexpectedly deleted from a shared storage file system. Which of the following is the system administrator MOST likely to investigate?

A. LUN masking
B. Zoning
C. User and host authentication
D. Audit logs

Correct Answer: D
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 132
A VM that is generally used for development is tested quarterly on other hypervisors to validate sideways compatibility. Which of the following migrations does this describe?

A. Online
B. V2P
C. V2V
D. P2V

Correct Answer: C
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 133
A client was unable to connect to the cloud provider for over an hour on Saturday. Which of the following is the FIRST thing an operations manager should check?

A. SLA
B. Business continuity plan
C. OLA
D. Contract with the cloud provider

Correct Answer: A
Section: Volume B
Explanation

Explanation/Reference:

QUESTION 134
Anne, an administrator, receives an alert indicating a disk failure on a highly available server with a local RAID 5 array. When checking the server, Anne confirms a flashing amber light on one of the disks. Which of the following is the correct procedure for replacing this drive?

A. Remove the old drive, reboot the server, and access the RAID controller. Rebuild the array to RAID 6, and then add the new drive for parity.
B. Remove the old disk while the server is powered on and operational and replace with a new drive.
C. Remove the old drive, reboot the server, and access the RAID controller. Rebuild the array to RAID 1, and then add the new drive for parity.
D. Power off the server and replace with a new drive.

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 135
Joe, a system administrator, has noticed that a remote facility has entries in his 3-year-old slave LDAP server that has not been updated from its master in about a month. Which of the following failures is MOST likely to have occurred?

A. Replication from the master site to the remote site has failed.
B. Replication has not been configured.
C. Replication to the master site from the remote site has failed.
D. There is high latency on the replication connection.

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 136
A system administrator has a distribution switch with four uplinks to the core switch in a single aggregated link. The aggregated link requires all four connections to be up to function. Which of the following is this MOSTLY an example of?

A. Fault tolerance with multipathing
B. Load balancing with high availability
C. Load balancing without high availability
D. High availability with multipathing

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 137
A system administrator has a pool of employees using VMs that have a low business value. Which of the following would MOST likely be an appropriate allocation of host resources for this pool?

A. Limiting the amount of virtual drive space, CPU use, and memory allocation the pool can use.
B. Reserving the number of virtual NICs, VHBAs, and licenses the pool can use.
C. Reserving the amount of virtual drive space, CPU use, and memory allocation the pool can use.
D. Limiting the number of virtual NICs, VHBAs, and licenses the pool can use.

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 138
A system administrator can no longer easily control a remote hypervisor because the workstation's mouse is broken. Which of the following remote access tools is the system administrator using?

A. Local console port
B. RDP
C. Telnet
D. SSH

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 139
An administrator is tasked with writing the company disaster recovery plan in the event the hosting company experiences a catastrophe. Which of the following should be included? (Select TWO).

A. Fire safety signage
B. Fire exits
C. Door closures and time-delay door alarm
D. Risk assessments
E. Contingency plan and test protocols

Correct Answer: DE
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 140
An administrator is designing a VM cluster to support a new testing department in the company. This department will require high availability and the ability to migrate VMs with little impact to other network functions within the department. The infrastructure available for the department supports a 1GB internal backbone upon which virtual switches are being configured. Which of the following network designs would meet the criteria for the department?

A. Assign the migration VLAN, management VLAN and storage VLAN on one virtual switch port and a client VLAN on a separate virtual switch port
B. Assign the migration VLAN, management VLAN and client VLAN on one virtual switch port and assign the storage VLAN on a separate virtual switch port
C. Assign the migration VLAN and client VLAN on one virtual switch port, and the management VLAN and storage VLAN on one virtual switch port
D. Assign the migration VLAN, management VLAN, client VLAN and storage VLAN all on separate virtual switch ports

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 141
A Chief Information Officer (CIO) has established a budget for the IT department that allows for 30% of the company's IT infrastructure to be upgraded on an annual basis. The engineer in the IT department must identify which equipment requires immediate attention for upgrades, which equipment can function in the near term, and which equipment can be considered in the long term for upgrades. Which of the following describes the policy the engineer must develop?

A. Configuration management plan
B. System management plan
C. Asset maintenance plan
D. Life cycle management plan

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 142
An administrator is building a sandbox environment. There is one host assigned to the resource pool with eight CPU cores available. There will be two highly utilized, identical virtual application servers and three virtual desktops running in this environment. One of the virtual desktops will be running a new management application for the environment. Which of the following is the BEST recommended configuration for the sandbox environment?

A. Configure the management virtual desktop with three CPUs, and the other virtual desktops with one CPU each; configure one application with two CPUs and the other application server with one CPU
B. Configure the application servers with two CPUs each; configure two virtual desktops with one CPU each and two CPUs for the management virtual desktop
C. Configure the virtual desktops with two CPUs each; configure the application servers with one CPU each
D. Configure one application server with three CPUs and the other with two CPUs; configure the virtual desktops with one CPU each

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 143
A network engineer is investigating slow response times for queries to a cloud-hosted database. The switch configurations show that there are several traffic bottlenecks. Which of the following should the engineer implement to BEST solve the problem and prevent future issues?

A. Add a router to the network to increase traffic paths
B. Migrate the cloud-hosted database to a type II hypervisor
C. Configure QoS on the network switches to alleviate bottlenecks
D. Configure QoS on the virtual desktop

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 144
The administrator of an organization needs to configure a VM to be able to communicate on the physical network connected to the host. Which of the following steps MUST the administrator perform?

A. Bridge the virtual NIC
B. Create a route on the virtual router
C. Assign the virtual NIC to the same virtual switch as the host
D. Assign the virtual NIC to the same VLAN as the host

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 145
Which of the following BEST describes the process of mapping storage initiators to targets?

A. Access control lists
B. Zoning
C. LUN masking
D. Obfuscation

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 146
Which of the following describes a best practice for placement of VM swap files in a virtualized environment?

A. Place them on the same datastore as the OS
B. Place them on the same datastore as the data
C. Place them on their own datastore
D. Place them on the local disk of the VM host

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 147
A new WAN connection was recently installed between the primary datacenter and secondary datacenter for disaster recovery purposes. The network technician

performed testing of the circuit and observed poor throughput performance. Which of the following is MOST likely the cause?

A. Latency
B. NIC failure
C. Caching
D. Compression

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 148
Requiring all SaaS vendors to perform updates to systems within the customer's datacenter is an example of which of the following types of cloud delivery services?

A. Off premise hosting
B. On premise hosting
C. Orchestration platforms
D. Hybrid delivery models

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 149
Which of the following is bridged and sends packets on the wire with its own unique MAC address?

A. Virtual PBX
B. Virtual Switches
C. VLAN
D. Virtual NIC

Correct Answer: D

Section: Volume C
Explanation

Explanation/Reference:

QUESTION 150
Which of the following cloud services provides application isolation?

A. DaaS
B. BPaaS
C. CaaS
D. SaaS

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 151
Which of the following types of virtual components performs Layer 3 functions between networks in a virtualized environment?

A. Virtual switch
B. Virtual router
C. Virtual NIC
D. Virtual HBA

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 152
Which of the following types of storage technologies uses fiber channel protocols?

A. SAN

B. DAS

C. iSCSI

D. NAS

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 153
A network administrator was tasked with creating several new subnets which will support 30 virtual hosts per subnet. Which of the following VLANs below would be used to support those hosts?
VLAN 100 192.168.1.0/30
VLAN 200 192.168.1.0/29
VLAN 300 192.168.1.0/26
VLAN 400 192.168.1.30/32

A. 100

B. 200

C. 300

D. 400

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 154
Users report that they are unable to access the Internet. The network administrator notices spikes of traffic during the outage reports. Which of the following will MOST likely need to be upgraded to allow more traffic and will help avoid further outages?

A. MAN connections

B. Bandwidth

C. Latency

D. LAN connections

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 155
Users report that they are unable to access a virtual server. Which of the following commands would allow the network administrator to verify the current network settings within the virtual server?

A. nbtstat
B. tftp
C. telnet
D. arp
E. ping
F. ipconfig

Correct Answer: F
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 156
Which of the following protocols uses port 53, by default?

A. DNS
B. FTP
C. NTP
D. DHCP

Correct Answer: A
Section: Volume C
Explanation

QUESTION 157
A network administrator needs to manage a virtual switch remotely in a secure manner. Which of the following tools would MOST likely be used?

A. RDP
B. SNMP
C. SSH
D. Telnet

Correct Answer: C
Section: Volume C
Explanation

QUESTION 158
Which of the following is an access control type that requires a username and password along with a hardware token?

A. SSO
B. Single-factor
C. RBAC
D. ACL
E. Multifactor

Correct Answer: E
Section: Volume C
Explanation

QUESTION 159
The IT department has had problems coping with the demand of service provisioning and deprovisioning. If the IT department implements a cloud computing platform, which of the following would improve their productivity?

A. On-demand self-service

B. Multi-tenancy
C. Scalability
D. Elasticity

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 160
A company wants to streamline their reporting tools. They have decided to implement a third party SaaS cloud reporting tool to process additional data, but will continue to process confidential data internally. Which of the following deployment models is BEST suited for the company?

A. Shared
B. Private
C. Hybrid
D. Community

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 161
Which of the following mitigates newly found vulnerabilities within software for an environment?

A. Patching
B. Clustering
C. Elasticity
D. Scaling

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 162
Joe, an administrator, is searching through directories on his multi-tenant cloud environment when he notices he is able to access a directory holding another company's data. Which of the following should be implemented to mitigate this issue?

A. On-premise hosting
B. Off-premise hosting
C. Hashing
D. Data segregation

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 163
Which of the following would be the FIRST choice to encrypt a laptop hard drive?

A. DES
B. TDE
C. AES
D. SSL

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 164
Which of the following would be the FIRST thing to do after determining an upgrade is required for a production application server?

A. Perform the upgrade
B. Notify the application users of the upgrade
C. Submit a change request
D. Schedule a maintenance window

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 165
Which of the following refers to the maximum amount of data that can be lost due to a system failure?

A. MTBF
B. RTO
C. MTTR
D. RPO

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 166
A company that provides cloud-based storage services wants to ensure that if underlying hard disk drives are sent to the disposal facility, they will not contain any data in clear-text format. Which of the following should be done to accomplish this task?

A. Implement degaussing

B. Ensure that ACLs are configured on users' data
C. Implement full-disk encryption
D. Fill disk with random data before disposal

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 167
A company that provides IaaS to small business organizations needs to allow customers to control the power state of their virtual machines. Which of the following should be implemented to accomplish this task?

A. Grant limited access to the hypervisor management interface
B. Grant limited access to the host power managing infrastructure
C. Allow Wake-on-LAN packets on the firewall
D. Configure customer's VMs to be in an always-on state

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 168
An administrator is planning to implement multipathing for IP-based storage. Which of the following protocols can be used in this configuration?

A. NFS
B. iSCSI
C. FC
D. FCoE

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 169
Which of the following, in conjunction with IPSec, can be configured to provide secure access to files on a NAS?

A. iSCSI
B. CIFS
C. FCoE
D. SSH

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 170
A system administrator is planning storage infrastructure to store backup copies of virtual machines that are at least 5GB in size. Which of the following file systems can be used in this scenario? (Select TWO).

A. SMB
B. RAW
C. EXT
D. FAT
E. NTFS

Correct Answer: CE
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 171
Which of the following can be used to enable out-of-band management of a Windows-based host?

A. IPMI

B. WMI

C. SMTP

D. SNMP

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 172
A security administrator is being hired to perform a penetration test of a third-party cloud provider as part of an annual security audit. Which of the following is the FIRST step that must be performed?

A. Attempt known exploits

B. Scan for vulnerabilities

C. Research publicized incidents

D. Get written permission

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 173
A bare metal hypervisor runs:

A. On a virtual database server.

B. On a virtual machine.

C. Directly on a physical machine.

D. On top of another operating system.

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 174
Which of the following cloud services would MOST likely be used to deliver web applications?

A. IaaS
B. DaaS
C. SaaS
D. PaaS

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 175
Which of the following cloud delivery models consists of private internal resources and external provider resources?

A. Hybrid
B. Community
C. Private
D. Public

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 176
Which of the following RAID levels spreads blocks of a file across multiple disks without parity?

A. 0
B. 1
C. 3

D. 5

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 177
Which of the following may be used prior to encryption of information stored in a database if only weak encryption algorithms are allowed?

A. LUN Masking
B. Obfuscation
C. Access Control Lists
D. Hashing

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 178
A technician has recently virtualized an older business critical fax server. The fax application relies on a proprietary fax modem and it is not working anymore. Which of the following has the technician failed to do?

A. Proper P2V migration
B. Establish requirements
C. Performance baseline
D. Virtual storage migration

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 179
Which of the following is true about physical and virtual CPUs?

A. There can only be one virtual system for each core CPU.
B. The number of virtual CPUs is independent from the virtual system.
C. A system can allocate more virtual CPUs than core CPUs.
D. A system can only have as many virtual CPUs as core CPUs.

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 180
A virtual campus lab is accessible by students remotely. Which of the following tools allows students to securely access the lab and take advantage of its GUI tools?

A. HTTP
B. SSH
C. Console port
D. RDP

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 181
Two independent organizations want to share authentication and other employees' attributes to leverage a central online collaboration tool for a common project. Which of the following will allow the two companies to keep their internal authentication system while allowing visibility into the other company's employees' attributes?

A. Role-based access control
B. Federation
C. Single sign-on

D. Multi-factor authentication

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 182
During deployment, which of the following should a technician install to be used in the future to shut down a virtual server?

A. Third-party backup software
B. Guest management tools
C. VLAN
D. Server snapshot

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 183
A company has a contract with a cloud vendor in which their monthly bill changes based on how much data is stored in the cloud. Which of the following is a benefit of this contract?

A. Portability
B. Application isolation
C. Scalability
D. Availability

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 184
Which of the following provides a company with the BEST equipment to minimize downtime in the event of catastrophic damage to their main datacenter?

A. Warm site
B. Offsite storage
C. Hot site
D. Cold site

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 185
A system administrator is creating images of the physical servers on the network to create multiple VMs. Which of the following is this process called?

A. V2P
B. P2V
C. V2V
D. P2P

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 186
Which of the following is a file transfer protocol that would be MOST appropriate for transferring sensitive data?

A. Telnet
B. TFTP
C. HTTPS
D. SFTP

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 187
Which of the following would physically block access to a zone from any device outside of the zone?

A. Hard zoning
B. Soft zoning
C. Access control lists
D. LUN masking

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 188
Which of the following ciphers consists of independent keys providing a key length of 168 bits?

A. 3DES
B. RC6
C. RC5
D. AES

Correct Answer: A
Section: Volume C

Explanation

Explanation/Reference:

QUESTION 189
Which of the following tests would be MOST appropriate when determining the need for patches and updates to servers in the datacenter?

A. Penetration testing
B. Risk assessment
C. Latency testing
D. Bandwidth determination

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 190
Which of the following could an administrator perform to restore confidential data housed within a VM server in case the data becomes corrupted or overwritten?

A. Weekly image backups
B. Snapshots backups
C. Daily image backups
D. Daily file backups

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 191
Which of the following storage technologies uses file level access?

A. NAS

B. iSCSI

C. SAN

D. FCoE

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 192
Which of the following services can an administrator disable to prevent remote access to a system?

A. SMTP

B. DHCP

C. SMS

D. Telnet

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 193
An administrator is working on a guest operating system and needs access to the CD-ROM drive from the host operating system to install a driver. Which of the following describes what the administrator should use to accomplish this goal?

A. Remote hypervisor access

B. Resource redirection

C. Resource pooling

D. Dynamic resource allocation

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 194
Which of the following should a network administrator implement to logically segregate network traffic?

A. NAT
B. Supernetting
C. VLAN
D. Virtual switching

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 195
The corporate security department is recommending that the administrator deploys Type I hypervisor versus Type II. Which of the following is a security concern in regards to deploying a Type II hypervisor?

A. Human error
B. Performance benchmarks
C. Additional software
D. Administration time

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 196
Which of the following is a concern when migrating from a private cloud to a public cloud?

A. Storage
B. Limited visibility

C. Security

D. Performance

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 197
During the company's last DR exercise, the administrator noticed that the backup site (Site B) was responding 35% slower to ICMP packets than the primary site (Site A). Which of the following tests can help the administrator determine the root cause of a slow network?

A. Latency test

B. Bandwidth test

C. Load balancing test

D. Replication test

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 198
Which of the following is the BEST technique an administrator can use to keep copies of various VM states while servers are online?

A. Cold backup

B. Snapshot

C. Clone

D. Disk image

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 199
Which of the following would be a good reason to perform a V2V migration?

A. Network vendor change
B. Host vendor change
C. Hypervisor vendor change
D. Storage vendor change

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 200
Which of the following are SAN protocols? (Select TWO).

A. Fibre Channel
B. iSNS
C. NFS
D. iSCSI
E. TCP/IP
F. CIFS

Correct Answer: AD
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 201
An administrator has access to the following tools: ping, tracert, ipconfig/ifconfig, and route. All of these can be used to troubleshoot which of the following?

A. Zoning connections
B. iSCSI connections
C. Fibre channel connections
D. FCoE

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 202
Virtual switches are:

A. Virtualized network switching devices.
B. Used to differentiate network traffic with tags.
C. Virtual machines that are on the same network.
D. Physical switches running on the same network with virtual machines.

Correct Answer: A
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 203
The BEST way to compare daily performance metrics against a "normal" operational metric is to first establish:

A. A standard metrics process.
B. An operational baseline.
C. An operational goal.
D. An analysis formula.

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 204
After a sudden spike in traffic Anne, an administrator, notices many internal IP addresses are sending traffic to an external web server belonging to another company. Which of the following attacks may she be witnessing from her network?

A. Phishing
B. Man-in-the-middle
C. Vishing
D. Denial of service

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 205
Which of the following is often used by a certificate to keep the contents of the page confidential?

A. 3DES
B. AES
C. RSA
D. RC4

Correct Answer: C
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 206

An administrator is tasked with encrypting all Personally Identifiable Information (PII) within a cloud based database. Which of the following types of encryption will ensure that ONLY this type of information is encrypted while the rest of the database remains unencrypted?

A. File and folder encryption
B. Transport encryption
C. Hard drive encryption
D. Table encryption

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 207
Which of the following would be a deciding factor when choosing a multi-tenant cloud environment over a locally hosted virtual environment?

A. Security
B. Cost of ownership
C. Litigation hold
D. Standardization

Correct Answer: B
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 208
A company decided to go with a cloud-based hosted email solution across all offices and wishes to make the transition as seamless as possible. Which of the following methods would provide the MOST seamless transition for end users?

A. Non-SSL federation
B. Access controls
C. Multi-factor authentication
D. Single sign-on

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 209
A software development team is looking for a sandbox environment to test new releases before deploying to production and has requested several virtual machines for this purpose. Which of the following virtual components could be utilized to help isolate these virtual machines from the production infrastructure?

A. Shared storage
B. One virtual CPU per virtual machine
C. Shared memory
D. Virtual NICs on a different network

Correct Answer: D
Section: Volume C
Explanation

Explanation/Reference:

QUESTION 210
An administrator has overcommitted resources in a cluster. An application team would like assurance that performance will not be adversely affected. Which of the following can the administrator configure to ensure optimum application performance?

A. Set shares to high priority
B. Baselines
C. Resource pooling
D. Dynamic resource allocation

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 211
An enterprise hypervisor offers which of the following benefits over a workstation hypervisor?

A. Ability to create templates
B. Ability to provision more than 2 vCPUs
C. Snapshots
D. Live storage migration

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 212
In order to enhance security on a SAN, which of the following should be configured?

A. ZFS
B. LUN
C. VSAN
D. Zoning

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 213
An administrator has provisioned a LUN on a SAN and wants to be able to connect a VM to the new storage using SCSI commands sent across the LAN. Which of the following should be configured on the VM?

A. Virtual NIC
B. Virtual HBA
C. Virtual SAN
D. LUN masking

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 214
A company has tasked an administrator with virtualizing the server farm and wants to adhere to the principle of n+1. The administrator has analyzed the resource consumption of the current server farm and observes the following:
5 application servers consuming 12 GB RAM each.
4 web servers consuming 2 GB RAM each.
10 terminal servers consuming 6 GB RAM each.
Which of the following is the MINIMUM necessary to meet the requirements of the new host cluster?

A. 1 host with 196GB RAM

B. 2 hosts with 64GB RAM each

C. 3 hosts with 128GB RAM each

D. 4 hosts with 24GB RAM each

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 215
An administrator has installed a new NAS and is now attempting to optimize the servers for best performance when communicating with the NAS. Modifying which of the following would MOST likely enhance throughput?

A. Page file

B. Multipath I/O

C. N_Port settings

D. Jumbo frames

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 216
Which of the following would provide the ability to perform transparent page sharing?

A. Type I hypervisor
B. Logical arrays
C. Type II hypervisor
D. Journal file system

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 217
A system administrator has a server that has lost one of its connections to an adjacent server room. The server can still be accessed remotely through its single network interface; however, it has lost access to some of its drives. Which of the following is MOST likely correct?

A. The system has exceeded its disk latency threshold and has disabled its NIC.
B. The system has memory issues which are causing the OS to incorrectly define drives.
C. The system is having intermittent network issues.
D. The system is having an HBA failure or disconnection.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 218
Which of the following BEST describes a copy of data?

A. Access control
B. Replicas
C. Metadata
D. Extended metadata

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 219
After receiving a report from the helpdesk that a database application is exhibiting degraded performance, the storage administrator detected an issue. Which of the following is MOST likely the issue that was discovered resulting in the degraded performance?

A. NIC failure
B. Power supply failure
C. Disk failure
D. HBA failure

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 220
Which of the following is used to handle non-sensitive information in a datacenter and can be moved to the public cloud to free up local resources and meet high demands?

A. Chargeback
B. Cloud bursting
C. Automation

D. Rapid deployment

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 221
Which of the following is a type of hypervisor that runs on another operating system instead of running directly on the host's hardware?

A. Type II
B. Indirect access
C. Direct access
D. Type I

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 222
One of the administrators of a cloud service provider has been asked to assist one of its newest customers to deploy a multi-tier application (web, application, and database). The architecture design does not specify where each service should reside and the customer is asking for a recommendation. Which of the following should be recommended?

A. Application server should be placed in the DMZ
B. Database server should be placed in the DMZ
C. DMZ are only used for single-tier infrastructure
D. Web server should be placed in the DMZ

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 223
An IT professional is considering the migration of an on-line store to the cloud due to high variation in demand. Which of the following cloud characteristics is key?

A. Elasticity
B. Security
C. Scalability
D. Standardization

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 224
A shipment company is looking to streamline some of their business activity. They are considering the automation of a number of electronic services. The company handles confidential documents and confidential data. Which of the following service options would the company choose?

A. Automated business process tools delivered by a public cloud provider
B. Community cloud
C. On-demand/self-service private cloud
D. On-demand/self-service public cloud

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 225
In the process of streamlining the IT activity, a company has considered the delivery of a number of services from a cloud. The best identified candidates were the newly acquired CRM and Help-Desk platforms. Which of the following would be their choice considering the company offers a 24/7 help line/self service portal to both their internal users and customers?

A. SaaS deployed on Public Cloud

B. PaaS deployed on Private Cloud

C. BPaaS deployed on a Hybrid Cloud

D. IaaS deployed on a Hybrid Cloud

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 226
Which of the following would be used to mitigate the risk of an unauthorized party authenticating into the network?

A. Install a software-based firewall

B. Establish a baseline and review logs daily

C. Install antivirus software

D. Disable the administrator account

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 227
A company that provides Software as a Service wants to prevent the application code from being modified. Which of the following techniques should be used to accomplish this task?

A. Obfuscation

B. Encryption

C. Auditing

D. Signing

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 228
An administrator is planning to implement multipathing for iSCSI-connected storage. Which of the following is required for this configuration?

A. Multiple gateways configured on the subnet
B. At least one HBA on the server
C. Multiple HBAs on the server
D. Multiple IP addresses on the storage device

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 229
Which of the following is a disk interface type that has the BEST performance?

A. NAS
B. SAN
C. SAS
D. SSD

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 230
Which of the following can be used to enable additional network interfaces on a router?

A. SNMP
B. WMI
C. Syslog

D. SMTP

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 231
The Chief Information Officer (CIO) is selecting a hardware network solution that will optimize the WAN between company locations in North America and Europe.
Which of the following can be changed by third-party hardware?

A. IP latency
B. TCP flow control
C. Ethernet bandwidth
D. UDP latency

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 232
Which of the following storage technologies is IP-based?

A. SCSI
B. DAS
C. FCP
D. NAS

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://searchstorage.techtarget.com/definition/IP-storage

QUESTION 233
An administrator has created a new virtual server according to specifications and verified that TCP/IP settings are correct. When the VM is powered on, however, an error message indicates that a network card MAC address conflict exists. Which of the following would resolve this issue?

A. Remove the virtual NIC and configure another one.
B. Add an additional NIC with a loopback interface.
C. Ping the IP address to determine the location of the conflict.
D. Change the MAC to ff:ff:ff:ff:ff:ff and obtain a new address.

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=1179

QUESTION 234
An administrator is no longer receiving alerting messages from the web server platform that recently failed over to a new secondary datacenter due to a power failure. Which of the following is the cause of the problem?

A. Port 21 in only allowed inbound at the primary datacenter
B. Port 22 to the log server is blocked outbound
C. Port 162 in DMZ is blocked inbound
D. Port 162 in DMZ is blocked outbound

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 235
An organization wants to create a server VM that is segregated from the rest of the servers. Which of the following should the server administrator configure?

A. Virtual NIC
B. Trunk port
C. Virtual memory
D. VPN connection

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 236
Which of the following ensures that there is enough space for vendors to install their programs and run the software they will be managing for various SaaS products?

A. Network isolation
B. Laws and regulations
C. Multi-tenancy
D. Data segregation

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 237
Which of the following authentication types is being required when a user must swipe a key card and then enter a password before being allowed access to the server room?

A. Multi-factor authentication
B. Single sign-on
C. Biometric authentication
D. Single-factor authentication

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://en.wikipedia.org/wiki/Multi-factor_authentication

QUESTION 238
An administrator has recently added a new host server to a private cloud environment. The host has two quad-core processors and 128GB of RAM. The server will have ten guest servers that require a minimum of 1 CPU and 8GB of RAM per server. Four of the servers will only be used during off hours. Which of the following should the administrator implement to ensure that the guest servers have the proper resources?

A. Dynamic CPU
B. Redundancy
C. NIC Teaming
D. Dynamic RAM

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 239
Which of the following access control types would give a system administrator the ability to assign access according to least privilege?

A. Role based
B. Rule based
C. Discretionary
D. Mandatory

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://en.wikipedia.org/wiki/Principle_of_least_privilege

QUESTION 240
Host A and B can both access LUNs one to ten in a single SAN. LUN 11 has been created and Host A can access it, but Host B cannot. Which of the following will likely be the cause of this issue?

A. Faulty fiber HBA
B. Incorrect HBA WWPN
C. Incorrect HBA software version
D. Defective HBA

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 241
Which of the following will be the BEST option for an administrator to bring VMs online at a warm site after a natural disaster has occurred at the primary site?

A. Kick off a full backup
B. Request offsite backup tapes
C. Confirm enterprise tape library is functional
D. Verify replication is enabled

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 242
After a recent outage going unnoticed, an administrator has been tasked to configure monitoring for the Linux-based and Windows-based host operating systems in a hybrid cloud. Which of the following services should the administrator confirm are functional prior to employing centralized monitoring to both types of operating systems? (Select two.)

A. Syslog services
B. Cron services

C. Web services
D. Task Manager services
E. WMI services

Correct Answer: AE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 243
A company has a virtual database server running in the cloud that the company would like to start hosting in-house on a newly purchased blade server. Which of the following virtualization tools would BEST be used to accomplish this?

A. P2P
B. V2P
C. P2V
D. V2V

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 244
Which of the following generally has better performance when accessing larger databases?

A. NAS
B. SAN
C. CIFS
D. NFS

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://searchstorage.techtarget.com/magazineContent/Get-top-performance-from-database-storage

QUESTION 245
Which of the following backup methods is MOST used by VM users?

A. Tape backups
B. Cloning
C. Image backups
D. Snapshots

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://searchdatabackup.techtarget.com/tip/Top-five-mistakes-made-when-backing-up-VMs-and-how-to-prevent-them

QUESTION 246
Which of the following tools would an administrator use to test connectivity of a server in the cloud?

A. ping
B. FTP
C. nslookup
D. netstat

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 247
The administrator wants to have central storage for all of the files to be stored for each VM. Which of the following is used to connect a host to a SAN utilizing a fiber connection?

A. VNIC
B. NIC

C. HBA
D. SCSI adapter

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 248
Which of the following are benefits of virtualization in a cloud environment? (Select two.)

A. Application virtualization
B. Presentation virtualization
C. Rapid deployment
D. Server virtualization
E. Reduce number of physical servers

Correct Answer: CE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 249
Which of the following cloud service models would be recommended to a company for hardware capacity to host a production database application?

A. CaaS
B. XaaS
C. IaaS
D. PaaS

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 250
A company is migrating their physical servers to virtual. The administrator is tasked with migrating three servers:
One application server with a dual-core 3.2GHz processor that reaches 50% CPU utilization at peak time.
Two web servers, each with a dual-core 3.2GHz processor, both reaching 70% CPU utilization at peak time.
Currently, the administrator only has two hosts available, so resources will need to be set for the new VMs. Each host has two 2.4GHz quad-core processors. One host is already near maximum capacity, and the second host is at 30% CPU utilization.

Which of the following would be the BEST minimum CPU resources set on the second host for the new VMs?

A. 1,600 MHz for the application server and 2,300 MHz for each web server.
B. 3,300 MHz for the application server and 4,600 MHz for each web server.
C. 3,300 MHz for the application server and 5,250 MHz for each web server.
D. 5,250 MHz for the application server and 7,080 MHZ for each web server.

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 251
Which of the following can be used to assign priority to specific network traffic?

A. Load balancing
B. QoS
C. NIC teaming
D. Jumbo frames

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 252
Which of the following server types would be an ideal candidate for virtualization? (Select two.)

A. Hypervisor
B. Terminal server
C. Mail server
D. Enterprise database server
E. Domain controller

Correct Answer: BE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 253
Which of the following network topologies should an administrator use to segment traffic?

A. Metropolitan Area Networks
B. Local Area Networks
C. Virtual Local Area Networks
D. Wide Area Networks

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/

QUESTION 254
A company is building a new server cluster to host applications for external clients. The company wants to ensure high availability and maximum throughput, and requests that the server administrators configure teamed interfaces on all servers in the cluster. In this scenario, a teamed interface refers to:

A. link aggregation
B. elasticity on demand
C. a TCP offload engine
D. resource pooling

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 255
A company wants to be sure their cloud infrastructure is secure but fully available. To ensure this, the company wants to observe and be alerted in the event of a security breach, but chose a response for each alert. Which of the following solutions would meet these requirements?

A. XaaS
B. IDS
C. PaaS
D. IPS

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 256
Which of the following should be implemented to ensure email continuity is not disrupted if one of multiple datacenters experiences an outage?

A. Geo-clustering
B. Offsite backup
C. Local load balancing
D. Multipathing

Correct Answer: A
Section: Volume D

Explanation

Explanation/Reference:

QUESTION 257
A cloud infrastructure function that can grow and shrink to meet peak demand requirements quickly is known as:

A. elasticity
B. federation
C. automation
D. caching

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 258
A new server is connected to the fibre channel switch. In order to allow the server to see its allocated storage on the storage array, the administrator must configure the server's WWNN as a member. The server administrator is configuring which of the following?

A. Zoning
B. LUN masking
C. Supernetting
D. VLAN tagging

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 259
Every night a datacenter takes snapshots of each VM and backs them up to a tape which is shipped off to a disaster recovery site once a week. Which of the following can mitigate a security breach if the tapes were to fall out of the shipping vehicle during transport?

A. Transmission level encryption

B. Transport layer encryption

C. Hard drive encryption

D. File level encryption

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 260
An administrator, who operates a public cloud, has been tasked with implementing a secondary datacenter for failover purposes. Immediate replication has too much of an impact on the WAN link during production hours. Which of the following is the BEST option?

A. Asynchronous replication

B. Storage deduplication

C. Cold site failover with offsite archiving

D. Site mirroring

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 261
Every quarter, technicians perform a UPS and generator test at the datacenter. During the test, the diesel generators did not function correctly resulting in a datacenter black out. After the engineers restore power, they quickly turn on each device and go home for the day. The next morning, clients start reporting they are not receiving email. After investigation, the engineers find that not all VMs are online and it is determined that some VMs did not start up in a correct sequence. Which of the following policies might need to be reviewed to help remediate the above scenario?

A. Monitoring policy

B. Change management policy

C. Service level agreement policy

D. Boot sequence policy

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 262
Which of the following utilities would BEST help diagnose NAS mount points?

A. route
B. ping
C. ifconfig
D. nfsstat

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 263
Which of the following is the BEST process to provide data access control to only the hosts authorized to access the LUN?

A. RAID Masking
B. LUN Masking
C. RAID Mirroring
D. LUN Binding

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.storagefreak.net/2014/06/access-logix-lun-masking-and-storage-groups

QUESTION 264

A storage appliance has lost all network access. Which of the following network access methods could a storage engineer use to investigate and correct the issue?

A. HTTP
B. Console port
C. RDP
D. SSH

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 265
Which of the following reduces the amount of data that must be transmitted on a network by keeping a copy of recently transmitted data in memory?

A. Latency
B. Compression
C. Caching
D. Bandwidth

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 266
An administrator needs to monitor server applications in the company's data center. Which of the following tools would the administrator need to accomplish this objective?

A. SMS
B. SMTP
C. IPMI
D. SNMP

Correct Answer: C

Section: Volume D
Explanation

Explanation/Reference:

QUESTION 267
Which of the following is commonly the MAIN concern in public cloud implementations?

A. Security
B. Flexible Billing
C. Scalability
D. Availability

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.peak10.com/top-ten-challenges-of-cloud-implementation/

QUESTION 268
An organization is looking to implement an online web-based mail system to allow employees to access email while not on the network. The organization wants to have complete control over the servers and the data. Which of the following should the organization implement?

A. Public cloud
B. Hybrid cloud
C. Off-premise hosting
D. On-premise hosting

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 269
An administrator is asked to securely upload a configuration file to a web server in a cloud. Which of the following protocols should be used in this scenario?

A. SFTP
B. SSL
C. TLS
D. HTTP

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 270
The system administrator created a file sharing service to the cloud for easier access for those working remotely. Which of the following tests should be performed to determine if services can be compromised?

A. Test storage
B. Test latency
C. Vulnerability assessment
D. Penetration testing

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 271
An administrator is configuring a website in the cloud. Which of the following secure network protocols should the administrator configure?

A. HTTP

B. IPSEC
C. SSL
D. SSH

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 272
An administrator is building a VM for a department in the company. The requirements for the department include:
1. Run multiple mission critical applications.
2. Generate and interpret large quantities of test data.
The administrator will start with the standard company VM template.
Which of the following should the administrator configure for this new department template to meet department requirements? (Select two.)

A. Configure additional virtual NICs
B. Configure additional memory
C. Configure port mapping
D. Apply appropriate OS licensing
E. Configure additional CPUs and storage

Correct Answer: BE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 273
A company wants to ensure their website, which allows customers to purchase products, is in a cluster at another geographical location. Which of the following solutions does this represent?

A. Differential backups
B. Data deduplication
C. Cold site
D. High availability

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 274
A company is expanding its cloud hosting services to include storage. Prior to upgrading existing customers with the new service, the testing department needs to validate that users can access the new service without seeing other customer data or company sensitive data also hosted in the cloud environment. Which of the following should be conducted prior to deployment of the new service?

A. Bandwidth test
B. Load balancing
C. Security test
D. Storage test

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://www.rightscale.com/blog/cloud-management-best-practices/performing-security-testing-cloud

QUESTION 275
Which of the following will allow for configuration of a round robin, load balanced environment?

A. DMZ
B. FAT
C. HTTPS
D. EXT

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 276
When a customer requests a VM to perform at higher levels the administrator should (Select two):

A. increase the VMs vRAM.
B. increase RAM on the host.
C. migrate the VM to a faster online host.
D. increase the VMs vCPU count.
E. increase disk space.

Correct Answer: AD
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 277
Users are reporting slow performance on a virtual server. An administrator notices that the virtual CPU is at 50%. Which of the following should the administrator check on the host?

A. I/O throttling
B. CPU wait time
C. Swap files
D. Memory ballooning

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 278
Which of the following may be used to increase data confidentiality when encryption is not an option?

A. LUN masking
B. Zoning
C. Hashing

D. Obfuscation

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Explanation:
"To prevent hackers from disassembling data, one of the processes used is obfuscation, which is data scrambling. Data is purposely scrambled, which renders it unreadable until the obfuscation process is reversed."

QUESTION 279
Some users are experiencing high latency when accessing their virtual desktops or retrieving saved documents. The administrator notices that two virtual desktops in the department are reserved for database processing applications that run several times a day. These machines are assigned to different hosts in the resource pool to provide a level of redundancy. Which of the following is the BEST course of action to remedy the situation?

A. Enable memory ballooning on the hypervisors supporting the database desktops
B. Enable I/O throttling on the hypervisors supporting the database desktops
C. Allocate more memory to the affected users' virtual desktops and the database desktops
D. Allocate more CPU resources to the affected users' virtual desktops

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 280
Which of the following describes connecting a physical Ethernet adapter to a virtual Ethernet adapter?

A. Resource pooling
B. Virtual switching
C. Bridging
D. Resource allocation

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 281
An administrator is unable to connect to servers in the DMZ. Which of the following commands should the administrator run to determine where the connection failure occurs?

A. nslookup
B. traceroute
C. telnet
D. netstat

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 282
Which of the following is used in Object-Based Storage to reference the servers that provide services to store, retrieve, and manage data in the Object-Based Storage system?

A. Controller
B. Host
C. Node
D. Switch

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 283
When the cache receives write data from the hosts, which of the following does the controller send back to the host?

A. Request
B. Header
C. Footer
D. Acknowledgement

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 284
Which of the following describes a community string?

A. It is used to group devices that use SMTP.
B. It is used to group devices that are clustered.
C. It is used to group devices that manage SaaS.
D. It is used to group devices that are managed by SNMP.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 285
Which of the following network optimization techniques would be MOST appropriate for more efficient delivery of frequently accessed websites?

A. Implementing load balancing
B. Installing a caching server
C. Placing devices on the same subnet
D. Implementing compression on the web server

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 286
An administrator has been asked to remotely configure a guest machine while on vacation. The administrator only has access to a hotel kiosk to make the necessary changes. Which of the following can be used to securely meet this request?

A. SCP
B. HTTPS
C. FTP
D. IPMI

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 287
A number of VMs in a host are experiencing processor contention, slowing down operations. Which of the following host hardware upgrade paths would yield higher VM performance, for the same VMs in the given hypervisor host?

A. Replace CPUs to move from 32-bit architecture to 64-bit
B. Replace CPUs to move from 64-bit architecture to 32-bit
C. Replace CPUs to increase current core speed
D. Replace CPUs to increase CPU core count

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 288
A company has just completed a security audit and received initial results from the auditor. The results show that the ethical hacker was able to gain access to the company servers by exploiting non-hardened VMs and hosts as guests and administrators. Which of the following should be implemented to harden the environment? (Select two.)

A. Discretionary access controls
B. Disable unnecessary accounts
C. Change default passwords
D. Install antivirus software
E. Role-based access controls

Correct Answer: BE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 289
An administrator needs to verify what ports are listening on an operating system. Which of the following tools can be used to accomplish this task?

A. telnet
B. netstat
C. packet sniffer
D. ifconfig

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://www.garron.me/en/go2linux/which-service-or-program-listening-port.html

QUESTION 290
A company has decided to replace hypervisors to reduce licensing costs. An administrator has been tasked with migrating VMs to the new hypervisor. Which of the following migration types will be used?

A. P2P
B. V2V
C. V2P
D. P2V

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://searchservervirtualization.techtarget.com/definition/Virtual-to-virtual

QUESTION 291
Which of the following technologies enables port sharing on a single physical port?

A. WWPN
B. NPIV
C. WWNN
D. Port mapping

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://pubs.vmware.com/vsphere-4-esx-vcenter/index.jsp?topic=/com.vmware.vsphere.vmadmin.doc_41/vsp_vm_guide/configuring_virtual_machines/
t_configure_fibre_channel_npiv_settings.html

QUESTION 292
When a firewall takes an incoming request for a specific IP address and redirects it to an internal host, which of the following is being used?

A. NIS
B. PAT
C. NAT
D. NIC

Correct Answer: C
Section: Volume D

Explanation

Explanation/Reference:

QUESTION 293
A small software development company wants to provide four of their developers with the ability to create four or five VMs each. The company also wants to be able to share all of the VM images and snapshots on a NAS. Which of the following would meet these objectives at the lowest cost?

A. Enterprise level hypervisor
B. Workstation level hypervisor
C. Bare metal hypervisor
D. Type I hypervisor

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 294
The Chief Information Officer (CIO) has established the requirement to limit data loss to within two hours of a disaster. Which of the following terms describes this requirement?

A. RTO
B. RPO
C. MTTR
D. MTBF

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://en.wikipedia.org/wiki/Recovery_point_objective

QUESTION 295
An educational institution would like to install hypervisors for a new cloud development class with very limited funding. Which of the following hypervisors is MOST likely to be selected by the institution?

A. Type II
B. Type I
C. Open source
D. Proprietary

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 296
A company is implementing a private cloud infrastructure and is testing its high availability components. In a planned outage test, all systems will be shut down sequentially. Which of the following would be the LAST area to shut down?

A. Offsite mirror
B. Networking
C. Hypervisors
D. Storage

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 297
When is chargeback, when using private cloud infrastructure in a large company, helpful to an organization?

A. When the company wants to allocate cost to a specific department.
B. When the company needs to capitalize their cloud computing costs
C. When the company needs a line of credit for a set amount of resources short term.
D. When the company wants to charge the service provider for unused resources.

Correct Answer: A

QUESTION 298
Tenants in a shared datacenter environment are concerned with the privacy of their data as it moves from the application to the database servers in clear text. Which of the following can the provider implement to isolate tenants' data?

A. Bandwidth hard limits
B. Reservations
C. Resource pooling
D. VLANs

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 299
A company is migrating to the cloud and needs to implement a security policy. Which of the following should the company implement?

A. Redundancy strategy
B. Integration strategy
C. Disaster recovery strategy
D. Patching strategy

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 300
A company is testing a new software product that is intended for auto discovery of assets within a cloud environment. The testing department wants to ensure that

initial testing does not allow the product to leave the boundary of the test environment. Which of the following should the network administrator implement in the department test environment?

A. ACLs
B. DMZ
C. IDS
D. SNMP

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 301
Which of the following data replication methods provides the shortest RPO?

A. Asynchronous
B. Full
C. Synchronous
D. Incremental

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://businessfinancemag.com/blog/time-rethink-disaster-recovery

QUESTION 302
A company that provides cloud-based storage services allows user authentication using third-party social network credentials. Which of the following should be implemented to accomplish this task?

A. Multifactor authentication
B. Virtual private network
C. Federation
D. Domain trusts

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 303
Which of the following is used by storage tiering to meet SLAs?

A. RBAC
B. Rules sets
C. Policies
D. Cron jobs

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 304
The requirements for a web application state that it must be architected for high availability. The web application consists of front-end web server and back-end database server components respectively. Which of the following describes a solution that meets this requirement, while minimizing costs?

A. One front-end web server and two clustered back-end database servers
B. Two front-end web servers and two back-end database servers
C. Two front-end web servers and one back-end database server
D. Two load-balanced front-end web servers and two clustered back-end database servers

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 305

A system administrator has been monitoring cloud infrastructure usage over a period of time. The administrator notices that several hosts are consistently running close to capacity during work hours. To balance the workload across more hosts, the administrator performs a virtual resource migration. Which of the following terms BEST describes the reason the administrator performed this action?

A. Mobility
B. Utilization
C. Availability
D. Migration

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 306
Which of the following is used to connect a VM to a SAN?

A. vNIC
B. vRouter
C. vLAN
D. vHBA

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 307
Which of the following would allow separation between the Internet and the internal network of a company?

A. Virtual Local Area Networks
B. Review Audit Logs
C. Review System Logs
D. Demilitarized zone

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 308
A new vulnerability has been announced which affects several critical VM guests, but no patch is available. Which of the following can the administrator perform to mitigate this risk prior to a patch being released?

A. Install and update antivirus software on all workstations
B. Apply all available software patches to VM guests and VM hosts
C. Disable the affected service if it is found to be unnecessary
D. Cluster all affected VM guests and implement resource pooling

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 309
An administrator has recently moved all VoIP to a CaaS offering. In order to ensure that VoIP traffic remains separate from the rest of the data traffic, which of the following MUST be done?

A. All VoIP traffic needs to be VLAN tagged
B. The CaaS CSP needs to create a new subnet
C. The CaaS CSP needs to create a private VPN
D. All VoIP traffic needs to have QoS

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 310
An administrator is attempting to troubleshoot an issue between a web server in the DMZ and an internal workstation by reviewing packet captures. Upon inspection, the payloads of the packets are unreadable. Which of the following could be the cause of this issue?

A. The administrator has yet to authenticate to the network
B. The sniffer is located on an incorrect subnet
C. A vulnerability scanner has interfered with the packet capture
D. End-to-end encryption is applied on the network

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 311
An administrator needs to over allocate storage on VMs in a development cluster. Which of the following storage practices will be followed?

A. LUN masking
B. Thin provisioning
C. Thick provisioning
D. FC zoning

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.computerweekly.com/feature/Virtualisation-and-the-LUN-Storage-configuration-for-VMs

QUESTION 312
Which of the following tests would be MOST appropriate when over allocate storage on VMs in a development cluster?

A. Penetration testing
B. Vulnerability scan
C. Latency testing
D. Bandwidth determination

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 313
Which of the following is a best practice used in relation to MTBF?

A. Determine backup schedule based on uptime requirements
B. Proactively replace components before they fail
C. Determine downtime to perform a system recovery
D. Reactively replace components after failure

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 314
A system administrator needs to spread data storage allocation across multiple physical drives and ensure that these are mapped properly to communicate with the virtual server farm. The administrator also needs the ability to quickly create or remove these mappings so data storage is not assigned without being used. Which of the following storage techniques would fit these requirements?

A. Virtual LUN
B. Subnet masking
C. Multipathing
D. Physical LUN

Correct Answer: C

QUESTION 315
An administrator has enabled monitoring for a new tenant environment. The administrator checks 24 hours after the new environment has been added and sees data for other tenants' environments but no data for the new environment. Which of the following has NOT been properly configured?

A. SNMP Community String
B. SNMP Destination IP Address
C. SNMP Manager IP Address
D. SNMP Trap

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 316
A system administrator is tasked to harden a server so that it is not accessible using HTTP. Which of the following tools or techniques should the administrator use to accomplish this? (Select two.)

A. Change default passwords on the server
B. Antivirus software
C. Encryption software
D. Disable port 80
E. Disable port 443
F. Firewall
G. Patch management server

Correct Answer: DF
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 317
A technician is converting a company's physical server to a virtual server. Which of the following should the technician do before migrating? (Select two.)

A. Assign server roles in the virtual environment.
B. Perform and verify a full system backup.
C. Perform and verify a full system snapshot.
D. Install guest management tools.
E. Ensure all applications are compatible in the virtual environment.

Correct Answer: AE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 318
Which of the following should an administrator establish before deploying a guest VM in a production environment?

A. Disaster recovery plan
B. Patch management schedule
C. Business continuity plan
D. Access control list

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 319
An administrator of a credit card company needs to ensure that private cloud resources are allocated effectively, but needs to utilize the agility of the public cloud during peak seasons. Which of the following would accomplish this?

A. Cloud bursting
B. Elasticity

C. Multi-tenancy

D. Self-service provisioning

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 320
An administrator needs to securely troubleshoot an issue with a virtual host from a remote location. Which of the following allows for this by default?

A. VPN and RDP

B. SCP and RDP

C. AES and TLS

D. SSL and SFTP

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 321
A hosting company provides 10 VM web servers for a financial institution. The financial institution recently introduced a new web application and now their web traffic has significantly increased. Which of the following could the administrator implement to assist in reducing the load on the web servers?

A. Clustering

B. Virtual switching

C. Load balancing

D. Site mirroring

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 322
Which of the following cloud delivery models has the LEAST probability of data leakage?

A. Community cloud
B. Public cloud
C. Hybrid cloud
D. Private cloud

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference http://ijcsmc.com/docs/papers/March2016/V5I3201699a41.pdf

QUESTION 323
The helpdesk starts receiving calls from a number of users that are suddenly having issues accessing one of the project management shared drives. When Joe, an administrator, logs onto the guest hosting the drive via the console he is able to get to the information. Which of the following failures could have caused this issue?

A. NIC failure
B. Disk failure
C. Memory failure
D. CPU failure

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 324
Fault tolerant design allows a host to overcome a single HBA failure through:

A. clustering
B. UTA pairing
C. multipathing

D. NIC teaming

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:
Reference http://www.ques10.com/p/2619/write-short-note-on-failure-analysis/

QUESTION 325
An administrator is tasked with encrypting all Personally Identifiable Information (PII) within a cloud-based database. Which of the following types of encryption will ensure that ONLY this type of information is encrypted while the rest of the database remains unencrypted?

A. File and folder encryption
B. Transport encryption
C. Hard drive encryption
D. Table encryption

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 326
An administrator has configured a new VM with the correct IP, netmask, and default gateway. However, even with the vNIC showing a link and incoming and outgoing packets, the VM is unable to ping its default gateway. Which of the following is MOST likely the reason the VM network connection is not functioning properly?

A. The VM is not connected to the correct virtual switch.
B. The VM does not have jumbo frames enabled.
C. The VM is not in the LUN masking configuration.
D. The VM has an incorrect WWN.

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 327
Which of the following types of geo-clustering should a cloud service provider implement in case a tenant requires that response time decreases if operations are moved closer to the cloud service provider's primary site?

A. Dynamic proximity
B. Round Robin
C. Throughput
D. Static proximity

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 328
Which of the following can be used to physically restrict employees from accessing a datacenter?

A. Access badge
B. Password
C. Mantrap
D. PIN

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 329
For budget purposes, the accounting department has asked an administrator to provide a disaster recovery solution that will comply with the following requirements:
– Systems have to be operational within two days
– No disaster will be declared if the primary site is fully operational within 24 hours

Which of the following is the BEST solution the administrator can propose to the accounting department?

A. Warm site

B. Cold site

C. Hot site

D. Mirrored site

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 330
An administrator has virtualized a physical server. The application team reports satisfactory performance. The physical machine has been reimaged with a newer operating system. The following day, the application team remembers that the physical server had a dual purpose and uses a proprietary telephony card that connects to the PBX switch. The administrator needs to restore the server to its previous state. Which of the following should the administrator perform?

A. P2P

B. Restore the snapshot

C. V2V

D. V2P

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 331
Which of the following increases storage read throughput?

A. Scaling
B. NIC teaming
C. Load balancing
D. Caching

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.storage-switzerland.com/Articles/Entries/2013/4/23_What_Is_Storage_Caching.html

QUESTION 332
Metadata is described as which of the following?

A. A unique data field.
B. A description of a data element.
C. A file header.
D. A large data object.

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://en.wikipedia.org/wiki/Metadata

QUESTION 333
An amount of storage capacity presented to a host to format with its own file system is:

A. a LUN
B. a zone
C. a share
D. an export

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 334
An administrator reports the company is running out of disk space on the SAN. The network administrator is installing a new SAN. Which of the following should the administrator implement to alleviate this problem on the new SAN?

A. Configure hard limits on the SAN
B. Increase the space on the old SAN
C. Send out an email and tell users to delete files from their home directories
D. Create a policy around usage and storage of music files

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 335
Which of the following encryption types would be used to protect company information when stored on a cloud server being shared by multiple companies?

A. Secure socket layer encryption
B. Transport layer security encryption
C. Whole disk encryption
D. File and folder level encryption

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 336
Which of the following elements should be tested when deploying cloud based services? (Select two.)

A. Bandwidth

B. Caching
C. Application performance
D. Virtual routers
E. Jumbo frames

Correct Answer: AC
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 337
A virtual machine snapshot is:

A. a backup copy of the virtual machine.
B. a revertible point in time of the virtual machine.
C. an exact copy of the virtual machine.
D. an image of the virtual machine.

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:
Reference: https://www.techopedia.com/definition/16821/virtual-machine-snapshot-vm-snapshot

QUESTION 338
A technician has just installed a key-value store on a server and is unable to connect it to the application using port 8291. The technician logged on to the server and needs to determine if the port is listening. Which of the following tools should the technician use?

A. route
B. nslookup
C. arp
D. netstat

Correct Answer: D
Section: Volume D

Explanation

QUESTION 339
An administrator has been asked by the Chief Information Officer (CIO) to provide storage that will have the ability to accommodate at least FC and SATA in the same enterprise array with software that will be policy driven based on performance. Which of the following enterprise storage features should be recommended?

A. Storage provisioning
B. Storage tiering
C. Dynamic provisioning
D. Dynamic resource allocation

Correct Answer: B
Section: Volume D
Explanation

QUESTION 340
After an administrator deployed a private cloud a couple of years ago, users have started reporting that the network is getting slower. The administrator looks at the monitoring tools and notices that, even though supernetting was used to allow for 8,000 more VMs, the most utilized switch port in the datacenter is only using 40% of its total throughput speed. Which of the following is MOST likely the problem?

A. The number of VMs using IPv4 is causing the network to crash.
B. Each host only has two links to the network, and they are becoming saturated.
C. The network only has 4Gbps HBAs when all cloud networks should be using 10Gbps.
D. There are too many devices broadcasting on the subnet.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 341
Anne, an administrator, notices unusual activity on a database server. After reviewing the logs, she notices a number of successful anonymous FTP logins and

transferring of data to an external server. Which of the following hardening techniques would have helped stop this attack from succeeding? (Select two.)

A. Changing default account settings
B. Up-to-date patching for operating system software
C. Current updates for the NIDS
D. Disabling unused ports and services
E. Up-to-date patching for application system software
F. Current updates for antivirus software

Correct Answer: AD
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 342
Which of the following is a hardening technique that an administrator would perform when creating a standard VM template that would be used for deploying servers in a production environment?

A. Create a standard user account
B. Disable unneeded services
C. Establish a performance baseline
D. Follow change management process

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 343
Anne, a system administrator, has replaced an HBA in one of her servers; however, none of the FC logical drives are accessible. Which of the following is MOST likely to be the case?

A. The WWN of the new HBA is not defined in the FC switch.
B. The MAC address of the new HBA is not defined in the FC switch.

C. The LUN mask of the new HBA is not defined in the FC switch.

D. The IP of the new HBA is not defined in the FC switch.

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 344
A company has purchased two new servers to host several virtualized database servers. Each server has two 3GHz quad-core processors each, 64GB RAM each, 200GB DAS, and two 10GbE NICs each. Which of the following is the MOST likely bottleneck for these systems?

A. Processors

B. SAN

C. RAM

D. NIC

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 345
Which of the following describes a host server that is configured to bridge four guest servers?

A. A host server that has one physical Ethernet adapter that is used to allow guests to communicate to the physical network

B. A host server that has four virtual Ethernet adapters dedicated to each guest server to communicate to the loopback network

C. A host server that has one physical Ethernet adapter that is configured as a standby

D. A guest server that has four virtual Ethernet adapters that are used to allow guests to communicate to the virtual network

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 346
An administrator suspects malware has infected a server. Which of the following should be used to check services communicating with external servers?

A. netstat
B. arp
C. nslookup
D. dig

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 347
An administrator has been promoted to architect. When trying to access one of the servers, the architect receives the error: "Authentication failure: Account is not allowed". Which of the following explains why access was denied?

A. Role-based ACL are enabled
B. Multifactor authentication is partially working
C. Federated information is not completely populated
D. Discretionary ACL are enabled

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 348
Two VMs are in the same subnet 10.120.10.x/24, but the VMs cannot communicate with each other. Which of the following could be causing this problem?

A. Private IP addresses are not routable
B. Incorrect VLAN tagging
C. Incorrect subnetting

D. Incorrect firewall configuration

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 349
A hypervisor that prevents vendor lock-in is:

A. a proprietary hypervisor.
B. an integrated hypervisor.
C. an open source hypervisor.
D. a framework hypervisor.

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 350
A cloud solution provider offers services solely to the healthcare industry which meets specific security and government regulations. This is an example of which of the following cloud types?

A. Public
B. Hybrid
C. Private
D. Community

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.qtsdatacenters.com/resources/blog/2016/05/18/introducing-healthcare-community-cloud

QUESTION 351
An organization allows clients to retrieve information on earthquake events. This is a description of which of the following classifications?

A. XaaS
B. DaaS
C. CaaS
D. SaaS

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 352
An administrator needs to build a VM for a legacy, single-threaded application. According to best practice, how many virtual CPUs should the administrator use?

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

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 353
Implementing a process in a change management system takes place after:

A. rigorous peer review.
B. consultation with the vendor.
C. initial test in a sandbox.
D. approval by the CAB.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference: http://www.it.northwestern.edu/bin/docs/service-manager/ChangeManagementProcess2.7.pdf

QUESTION 354
Which of the following is the BEST method to isolate iSCSI network traffic?

A. WWPN Zoning
B. WWNN Zoning
C. Dedicated VLANs
D. LUN Masking

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 355
A college has implemented a private cloud for students and faculty. The college is required by their accrediting body to ensure that the cloud meets certain confidentiality and privacy requirements. Which of the following represents the LEAST intrusive testing method for the college to use, while ensuring separation of duties during the testing?

A. A vulnerability assessment should be conducted by the MIS department.
B. A penetration test should be conducted by an accredited third party.
C. A penetration test should be conducted by the MIS department.
D. A vulnerability assessment should be conducted by an accredited third party.

Correct Answer: D

QUESTION 356
An administrator is responsible for managing a private cloud that has servers that require a significant amount of RAM, but does not have the resources to dedicate to the guests. Which of the following features should the administrator configure on the hypervisor?

A. Resource pooled memory
B. Memory reservation
C. Dynamic memory
D. Static memory

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 357
Which of the following does the administrator use to consolidate all the VMs into a single IP while allowing access to the Internet?

A. DNS
B. VLAN
C. NAT
D. DHCP

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 358
A server hosting file shares is an example of which of the following types of storage?

A. SAN
B. NAS
C. SATA
D. SAS

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 359
A system has the ability to automatically provision additional virtual servers in response to a load increase. This is an example of which of the following cloud features?

A. Replication
B. Resource Pooling
C. Orchestration
D. Virtual Network

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 360
A company has instituted a cloud solution where the solution consolidates resources between the human resources and engineering departments. The combined resources are available to be assigned dynamically to each of the two departments without any visible impact on performance to the users. Which of the following terms BEST describes this cloud characteristic?

A. Resource consolidation
B. Resource pooling
C. Dynamic pooling
D. Cloud computing

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 361
Which of the following tools would an administrator use when determining the hop count between a source and a destination?

A. arp
B. nbstat
C. ipconfig
D. tracert

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 362
When working with hypervisors configured in a highly available configuration that provides fail-over capabilities to virtualized servers and applications, which of the following requirements is commonly overlooked?

A. Correct storage allocation
B. Correct CPU allocation
C. Correct memory allocation
D. Correct licensing allocation

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 363

Which of the following is often a difficult process when working with internationally-based cloud providers?

A. Litigation hold
B. Data segregation
C. Network isolation
D. Multi-tenancy

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 364
Joe, an administrator, has cloned a new virtualized application server. The new application server runs for several months and meets performance expectations. After building a second application server from the clone, Joe receives a few reports that the second server is too slow. Which of the following should Joe use FIRST to determine expected server performance?

A. NIC throughput monitoring tools
B. Baseline documentation
C. HBA throughput monitoring tools
D. Change management database

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 365
A company has changed their web hosting policy and now requires SSL certificates on all web servers. Users are reporting that they can no longer access an internal website. Which of the following commands should the administrator run to determine if port 443 1s listening? (Select two.)

A. traceroute
B. telnet
C. netstat
D. ipconfig

E. nslookup

Correct Answer: BC
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 366
Which of the following technologies allows for the secure exchange of encryption keys within an internal network?

A. AES
B. RC4
C. Diffie-Hellman
D. 3DES

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 367
An administrator for a non-profit organization has been tasked with creating a flexible cloud solution. Which of the following would allow the programmer to customize this implementation?

A. Type II virtual infrastructure
B. Closed Source Hypervisors
C. Open Source Hypervisors
D. Type I virtual infrastructure

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 368
A small business owner needs to establish a secure logon to the company database server to troubleshoot an issue while on vacation. Which of the following will allow secure access to manage the server from a remote location?

A. SFTP
B. Telnet
C. SSH
D. RSH

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 369
Which of the following cloud services would MOST likely be selected by a software development company that needs a cloud in which to develop software and does not have infrastructure requirements?

A. PaaS
B. SaaS
C. IaaS
D. XaaS

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 370
Which of the following contributes to increased read access performance on a fibre channel SAN?

A. Zoning
B. Clustered storage
C. Caching

D. QoS

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 371
A technician needs to configure a virtual NIC on a Class A IP address network. Which of the following is the default subnet mask for this network?

A. /8
B. /16
C. /24
D. /28

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:
Reference https://www.pantz.org/software/tcpip/subnetchart.html

QUESTION 372
Which of the following typically provides a FASTER access speed in a network storage implementation?

A. NFS
B. SAN
C. DAS
D. SATA

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 373
Internal users are reporting high latency when connecting to external servers in the cloud. Which of the following should a network administrator optimize?

A. WAN

B. SAN
C. VLAN
D. LAN

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 374
Which of the following is the BEST choice for a clustered host interconnect?

A. Infiniband
B. 1Gb Ethernet
C. 10Gb Ethernet
D. Fibre Channel

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 375
The administrator of virtual infrastructure needs to provision block storage for a virtual machine on which a business critical application will be installed. Considering

performance, which of the following describes how the administrator should attach the storage to the VM?

A. Using NFS
B. Using CIFS
C. Using IPv6
D. Using iSCSI

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:
Reference http://www.techrepublic.com/blog/the-enterprise-cloud/block-level-storage-vs-file-level-storage-a-comparison/

QUESTION 376
Which of the following are types of storage media? (Select two.)

A. SCSI
B. SSD
C. Tape
D. SATA
E. USB

Correct Answer: CE
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 377
A company that provides a cloud-based storage solution for consumers needs to ensure that users' data is encrypted while it is stored on its premises. Which of the following should be used to accomplish this task?

A. SSL
B. HMAC
C. SHA
D. RC4

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 378
Which of the following is a benefit of virtualization in a cloud environment?

A. Decrease in the scalability of services
B. Decrease in the time to implement certain services
C. Decrease in the amount of resource pooling for services
D. Increase in the time to service for certain services

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 379
Which of the following is a benefit of having a virtual versus physical server environment?

A. Improved security
B. IPSec tunnel
C. Data scraping
D. Redundancy

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 380

An administrator is tasked with the virtualization of all database management applications. Which of the following should the administrator do FIRST to ensure that database performance will be optimal?

A. Follow the recommendations of the database management application vendor.
B. Design a physical to virtual migration plan of the application.
C. Adhere to the recommendations of the virtualization software vendor.
D. Develop a migration plan to the new environment, ensuring maximum uptime.

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 381
An organization is converting a physical SQL server into a virtual server. The SQL database has been in use for several years and contains critical data for the organization. Which of the following conversion methods would be MOST appropriate?

A. Automated offline
B. Manual offline
C. Manual online
D. Automated online

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 382
An administrator configures an application to retrieve data in the format of 1.3.6.1.4.1. Which of the following services utilizes this format?

A. SNMP
B. SMS
C. WMI
D. IPMI

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 383
An administrator is responding to an alert declaring that a host on the WAN is no longer responding to requests. The administrator notices that some of the other hosts in the area are also unreachable. Which of the following tools will provide the MOST information to the administrator when troubleshooting the problem?

A. `ping`
B. `netstat`
C. `arp`
D. `tracert`

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 384
A company would like to reduce its physical presence at its secondary, warm site. The company decides to host only its critical applications in the cloud that would be fully managed by a third-party vendor. Which of the following cloud delivery models should the company implement?

A. Hybrid
B. Public
C. Private
D. Community

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 385
A systems administrator is tasked with performing a V2P migration of a server. Which of the following may be a reason to perform the V2P migration?

A. Enabling dynamic resource pooling
B. Abstracting the operating system layer
C. Lacking virtual resources
D. Increasing server availability

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 386
A technician is investigating an issue on a storage server. Last night, several mounted block storage devices were lost, which caused many applications to crash. The technician checks the SMART data on the server drives, and finds that all are operational. Which of the following could be the cause of the disk failure?

A. HBA failure
B. Disk failure
C. Memory failure
D. CPU failure

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 387
A customer reports disk IOPS have been below the SLA for the IaaS. An administrator adds more capacity to the storage infrastructure behind the IaaS offering, but notices the I/O performance does not improve immediately after adding storage capacity. Which of the following explains why this occurred?

A. New storage does not become available immediately after configuring
B. The customer may have done heavy performance testing to confirm the new infrastructure's ability
C. The cloud monitoring system needs to recognize the new storage before the hosts can write to it
D. The data needs to redistribute among the new storage, causing more back-end I/O

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 388
A storage engineer provisions storage on the SAN for a new virtual machine. The server administrator opens the virtualization management software and scans for new storage, but does not locate the newly created storage. Which of the following explains why the new storage cannot be recognized?

A. Zoning has not been enabled.
B. The LUN is not mapped.
C. Multipathing has not been enabled.
D. The share has not been exported.

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 389
Which of the following is a building block for the others in the list and provides the MOST flexibility?

A. BPaaS
B. PaaS
C. IaaS
D. SaaS

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 390
An administrator clones VM A to VM B. Upon logging in to VM B to complete the configuration, the administrator notices that network connectivity is intermittent. Which of the following is causing the network issue?

A. VM B does not have a default gateway assigned.
B. VM B does not have an IP address assigned.
C. VM B has the same default gateway as VM A.
D. VM B has the same IP address as VM A.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 391
When a firewall takes an incoming request on a specific port and redirects it to an internal host, which of the following is being used?

A. L2TP
B. Proxy
C. PAT
D. DHCP

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 392
An administrator has been asked to design a new VM backup policy for the company's private cloud. Which of the following backup methods is MOST beneficial in a disaster recovery situation?

A. Backing up the guest OS files
B. Backing up the guest OS image
C. Backing up the host hypervisor
D. Backing up the host configuration

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 393
Virtual switches often provide network separation for VMs that are in different:

A. datacenters.
B. VLANs.
C. security domains.
D. hosts.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 394
An organization is considering moving some of its internal operations into the cloud to alleviate the load of the IT department that was tasked to create and retire users and various services. In a cloud environment, the MOST important capability to have is which of the following?

A. Chargeback
B. Orchestration
C. Analytics
D. Bursting

Correct Answer: B

QUESTION 395
Which of the following MUST be included in an organization's continuity of operation plan, to ensure operation can be restored at the primary facility?

A. Redundancy plan
B. Failover plan
C. Failback plan
D. Replication plan

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 396
An administrator is creating a new company-wide file share for each employee to store all personal documents. The administrator needs to make sure this share is not misused and keeps control of its utilization. Which of the following would be the BEST way to accomplish this?

A. Create a WMI monitoring service to check for utilization.
B. Create a Syslog event when the storage runs out.
C. Configure a quota on each user's hard limit.
D. Configure hard limits on each user's quota.

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 397
A systems administrator notices that performance of a particular virtual machine is suffering. In the past, the machine has run reliably without such performance-

related issues. Recently, the virtual machine was moved from a pool hosted on SSD to one hosted with traditional spinning media. A check on the system reveals that free memory is very low. Which of the following should the administrator investigate NEXT?

A. Swap disk space and utilization
B. Disk tuning options
C. RAID-related disk health
D. HBA configuration

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 398
An administrator accidentally blocks all traffic on port 53 outbound on the Internet-facing firewall protecting its public cloud. Which of the following implications does this have on customers?

A. All customer services utilizing email alerting or responses will fail.
B. All customer services utilizing internal secure web services will fail.
C. All customer services internally resolving DNS queries will fail.
D. All customer services responding to external name resolution requests will fail.

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 399
Which of the following should an administrator perform after a new application is installed and configured on a server in the DMZ?

A. Change the host name.
B. Enable IPv6.
C. Disable any unused ports.
D. Configure AES.

E. Enable antivirus.

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 400
Which of the following features can the administrator use to guarantee that two guests supporting the same application layer will never be running on the same host?

A. Affinity
B. Resource pools
C. Entitlements
D. Quotas

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 401
A company has decided to move to a cloud solution to incorporate many of the existing assets that are already within several departments. The departments have similar assets, some of which are more heavily used than others. This migration to a cloud solution now allows these assets to be provisioned and used on demand and more efficiently by all departments. This represents an example of:

A. community cloud.
B. resource pooling.
C. storage consolidation.
D. server migration.

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 402
A technician wants to replace a DAS with a newly purchased SAN to a virtualization cluster. The technician will make use of the SAN's built-in multipathing feature in order to: (Select TWO)

A. increase the cluster's I/O performance.
B. reduce administrative overhead.
C. implement LUN masking.
D. achieve greater data availability.
E. configure zoning.

Correct Answer: AD
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 403
An administrator assigns 16GB of RAM to a VM; however, the VM is only reporting 4GB available for use. Which of the following could be limiting the available RAM to the VM?

A. The hypervisor
B. The swap file
C. The guest OS
D. The resource pool

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 404
Storage implemented in a highly available configuration that protects against shelf loss would be a RAID array with:

A. mirrored disks in the same disk shelf.

B. disks across disk shelves.

C. mirrors.

D. disks in one disk shelf.

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 405
Which of the following should be used to enable a VM to communicate directly on more than one network subnet?

A. IPv6

B. VLAN

C. Multiple network adapters

D. Multiple gateways

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 406
Which of the following is used to connect a VM to a VLAN?

A. vNIC

B. vRouter

C. vHBA

D. SAN

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 407
Which of the following would a local system administrator optimize when deploying software as a service in the cloud?

A. Virtual local area network traffic
B. Wide area network traffic
C. Storage area network traffic
D. Local area network traffic

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 408
An unauthorized person was able to access the company email using an old employee login. To prevent this, the company should have:

A. deactivated retired accounts.
B. hardened the firewall.
C. changed default passwords.
D. consulted legal counsel.

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 409
A company is upgrading to a new software version but must be able to monitor enhancements. Which of the following should be created to identify the key participants?

A. Capacity management plan

B. SDLC
C. Configuration change management
D. COOP

Correct Answer: C
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 410
Which of the following allows for a cloud provider to charge customers based on actual resources consumed?

A. Elasticity
B. Metered usage
C. Resiliency
D. On-demand usage

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 411
A cloud service consumer is MOST likely responsible for maintaining the infrastructure in which of the following cloud models?

A. Hybrid
B. Community
C. Public

D. Private

Correct Answer: D
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 412
Which of the following should be used for VM consistency?

A. Group template
B. Guest template
C. Host template
D. User template

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 413
Two mission-critical client applications require a specific amount of memory. The hypervisor is currently configured to use dynamic resource allocation. Which of the following should the administrator configure to guarantee to guests running on the same hypervisor will not run out of memory?

A. Reservations
B. Quotas
C. Entitlements
D. Affinity

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 414
Which of the following can be implemented to ensure that only the internal server subnet can access iSCSI storage?

A. Public DMZ
B. Zoning
C. Firewall
D. LUN masking

Correct Answer: B
Section: Volume D
Explanation

Explanation/Reference:

QUESTION 415
Which of the following minimizes overhead by taking advantage of direct hardware access?

A. Type I hypervisor
B. Type II hypervisor with RAID
C. Type II hypervisor
D. Fully patched hypervisor

Correct Answer: A
Section: Volume D
Explanation

Explanation/Reference: