

Nutanix.Premium.NCP-MCI-6.5.30q - DEMO

Number: NCP-MCI-6.5  
Passing Score: 800  
Time Limit: 120 min



**Exam Code:** NCP-MCI-6.5

**Exam Name:** Nutanix Certified Professional-Multicloud Infrastructure (NCP-MCI) 6.5

**Website:** [www.VCEplus.io](http://www.VCEplus.io) - [www.VCEup.com](http://www.VCEup.com)

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## Exam A

### QUESTION 1

An administrator wants to receive an environment summary report when a host failure occurs. Which action would address the administrator's need?

- A. Enable App Discovery
- B. Edit report schedule
- C. Configure an alert policy
- D. Create a playbook

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

An alert policy can be configured to send out an environment summary report when a host failure occurs. This can be done by creating a policy that triggers an alert whenever a host fails and then configuring the policy to send out a report that provides a summary of the environment in which the failure occurred. This will allow the administrator to quickly get a view of the environment after a failure occurs, allowing them to take the necessary steps to address the issue.

### QUESTION 2

An administrator has been notified by a user that a Microsoft SQL Server instance is not performing well.

When reviewing the utilization metrics, the following concerns are noted:

Memory consumption has been above 95% for several months

Memory consumption has been spiking to 100% for the last five days

Storage latency is 2ms.

When logging into Prism Central, how could the administrator quickly verify if this VM has performance bottlenecks?

- A. See Capacity Runway.
- B. Filter VM by Efficiency.
- C. Update Capacity Configurations.
- D. Perform Entity Sync

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

The Capacity Runway is a feature in Prism Central, the management console for Nutanix clusters, that allows administrators to quickly view VM performance and utilization. By viewing the Capacity Runway, the administrator can quickly see if the VM is experiencing any performance bottlenecks, such as high memory consumption or latency. The Capacity Runway also allows the administrator to view the utilization of other resources, such as CPU, network, and storage, and to identify any other potential bottlenecks that may be impacting the performance of the VM.

### QUESTION 3

Which Nutanix service control ncli, the HTML5 UI, and Rest API?

- A. Prism
- B. Cassandra
- C. Zookeeper
- D. Chronos

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Explanation:

Prism is the central service control used by Nutanix to manage the clusters. It provides a unified view of the entire system, and it is used to control the HTML5 UI, the nCLI, and the REST API. Prism is used to manage the resources of the system, such as the nodes, storage, and networks, as well as to monitor the performance of the system and the applications running on it.

**QUESTION 4**

On a Nutanix cluster, what does Network Segmentation refer to?

- A. A distributed firewall for security VM to VM traffic.
- B. Physically separating management traffic from guest VM traffic.
- C. Isolating intra-cluster traffic from guest VM traffic.
- D. Isolating management traffic from storage replication traffic.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 5**

An administrator has an AHV cluster that is comprised of 4 nodes with the following configuration in each node:

CPU:2 each 2.4GHz, 12 core

Memory: 256GB

Disk: 6 each 1.92 SSD

A VM with 16 vCPUs and 96GB of RAM is being created on the cluster.

How should the administrator configure the VM to assure optimal performance?

- A. With an affinity policy
- B. With memory overcommit
- C. With 2 vNUMA nodes
- D. With Flash Mode enabled

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The best way to configure the VM for optimal performance is to set it up with 2 vNUMA nodes. This will ensure that the VM is configured to take advantage of the CPU and memory resources available in each node, and it will also ensure that all of the cores are utilized for the best performance.

Additionally, the administrator should ensure that the VM has an affinity policy set up so that the vCPUs are evenly distributed across the four nodes. Finally, Flash Mode should be enabled in order to take advantage of the high-performance SSDs that are available in the cluster

**QUESTION 6**

An administrator needs to limit the amount of storage space that data stored in single container can consume.

Which action should the administrator take?

- A. Enable reservation for rebuild capacity
- B. Set an advertised capacity for the container
- C. Store VM snapshots in a different container
- D. Thick provision the container

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The best way for the administrator to limit the amount of storage space that data stored in a single container can consume is to set an advertised capacity for the container. This will ensure that the data stored in the container doesn't exceed the set limit, and it will also help prevent any potential performance issues due to resource contention. Additionally, the administrator should consider thick provisioning the container, which will pre-allocate the amount of storage space that can be used by the container. This will help ensure that the data stored in the container doesn't exceed the advertised capacity.

**QUESTION 7**

An administrator needs to configure Prism to send encrypted messages to a set of recipients.

Which setting must be applied?

- A. Use SMTP Port 25
- B. Configure Prism Central to use Cluster Lockdown
- C. Install SSL certificates on Prism Central
- D. Set SMTP Security Mode to STARTTLS

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The best way for the administrator to configure Prism to send encrypted messages to a set of recipients is to set the SMTP Security Mode to STARTTLS. This will ensure that all messages sent over SMTP are encrypted and secure. Additionally, the administrator should consider installing SSL certificates on Prism Central to ensure that the messages are being sent securely. Finally, the administrator should consider configuring Prism Central to use Cluster Lockdown, which will help ensure that the messages are only sent to the intended recipients.

#### QUESTION 8

Which two permission assignment tasks can be accomplished via Prism Element? (Choose two.)

- A. Grant a user permission to create VMs on a specific storage container
- B. Grant a user permission to view details of all VMs on a specific cluster
- C. Grant an active directory group permission to perform back operations
- D. Grant a user permission to create and delete snapshots on a specific VM

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

The two permission assignment tasks that can be accomplished via Prism Element are A. Grant a user permission to create VMs on a specific storage container and D. Grant a user permission to create and delete snapshots on a specific VM. With Prism Element, administrators can assign permissions to users and groups on a per-cluster, per-VM, or per-storage container basis. This allows them to control who can access which resources and perform which operations.

#### QUESTION 9

In the event of a disk failure, which process will immediately and automatically scans Cassandra to find all data previously hosted on the failed disk, and all disks in that node?

- A. Curator
- B. Stargate
- C. Genesis
- D. Prism

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 10

An Administrator has been asked to deploy VMs using a specific image. The image has been configured with settings and applications that will be used by engineering to develop a new product by the company. The image is not available on the desired cluster, but it is available in other cluster associated with Prism Central. Why isn't the image available?

- A. The image bandwidth policy has prevented the image upload.
- B. The cluster should be removed from all categories.
- C. The cluster has not been added to the correct category
- D. The image placement policy was configured with enforcement.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

When a placement policy is enforced, images are only allowed to be deployed on clusters that are part of categories that are associated with the policy. If the desired cluster is not associated with the policy, then the image will not be available for deployment.

**QUESTION 11**

After running an LCM inventory it is noticed that there are a number of firmware and software updates available. The administrator would like to avoid any host reboots, but would like to apply some of the available updates?

- A. M.2 Drives
- B. AHV
- C. Data Drives
- D. AOS

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

AHV is the Acropolis Hypervisor that is used to run Nutanix clusters, and firmware and software updates can be applied to it without requiring any host reboots. AOS is the Acropolis Operating System that includes the hypervisor, storage and management components of the Nutanix cluster, and firmware and software updates can also be applied to it without requiring any host reboots.

**QUESTION 12**

An administrator is troubleshooting vDisk performance issues in a Nutanix cluster with hybrid disks.

The VMs all have Flash Mode enabled.

But users are reporting disk latency.

What could cause the performance issues?

- A. Flash mode is disabled when a node fails.
- B. Compression is disabled on the vDisk storage container.
- C. The VMs vDisks are in multiple containers.
- D. Data size for flash mode exceeds 25% of the SSD capacity.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 13**

An administrator is performing validation testing of a new-deploy cluster. During this test, the administrator disconnect each LAN interface from each of the nodes while pinging the hypervisor and guest VMs.

When the first interface is disconnected, pings continue as expected to the hypervisor, but pings stop responding from the guest. Pings continue when the interface is reconnected. When the second interface is disconnected, pings continue to both the hypervisor and guest VMs.

What could be the cause of this error?

- A. This is normal behavior for a LAN Failover
- B. Switch ports are configured with different VLANs
- C. Portfast is not enabled on the switch ports
- D. One of the network interfaces has a bad patch cable.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 14

What is the minimum time a newly created Deduplication storage policy takes to apply to the VMs in the container?

- A. 5 Minutes
- B. 10 minutes
- C. 30 minutes
- D. 60 minutes

**Correct Answer: C**

**Section: (none)**

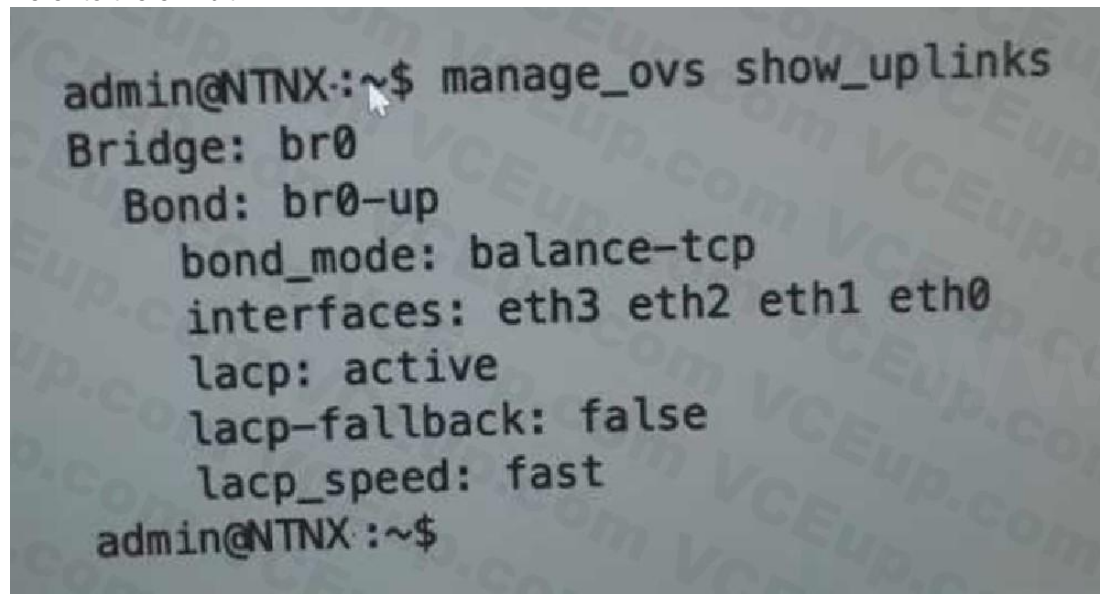
**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 15

Refer to the exhibit.



```
admin@NTNX:~$ manage_ovs show_uplinks
Bridge: br0
Bond: br0-up
bond_mode: balance-tcp
interfaces: eth3 eth2 eth1 eth0
lacp: active
lacp-fallback: false
lacp_speed: fast
admin@NTNX:~$
```

An administrator is adding a new node to a cluster. The node has been imaged to the same versions of AHV and AOS that the cluster running, configured with appropriate IP addresses, and br0-up has been configured the same the existing uplink bonds. When attempting to add the node to the cluster with the Expand Cluster function in Prism, the cluster is unable to find the new node. Based on the above output from the new node, what is most likely the cause of this issue?

- A. The ports on the upstream switch are not configured for LACP.
- B. The existing and the expansion node are on different VLANs.
- C. There is a firewall blocking the discovery traffic from the tlu
- D. LACP configuration must be completed after cluster expansion

**Correct Answer: B**

**Section: (none)**

**Explanation**

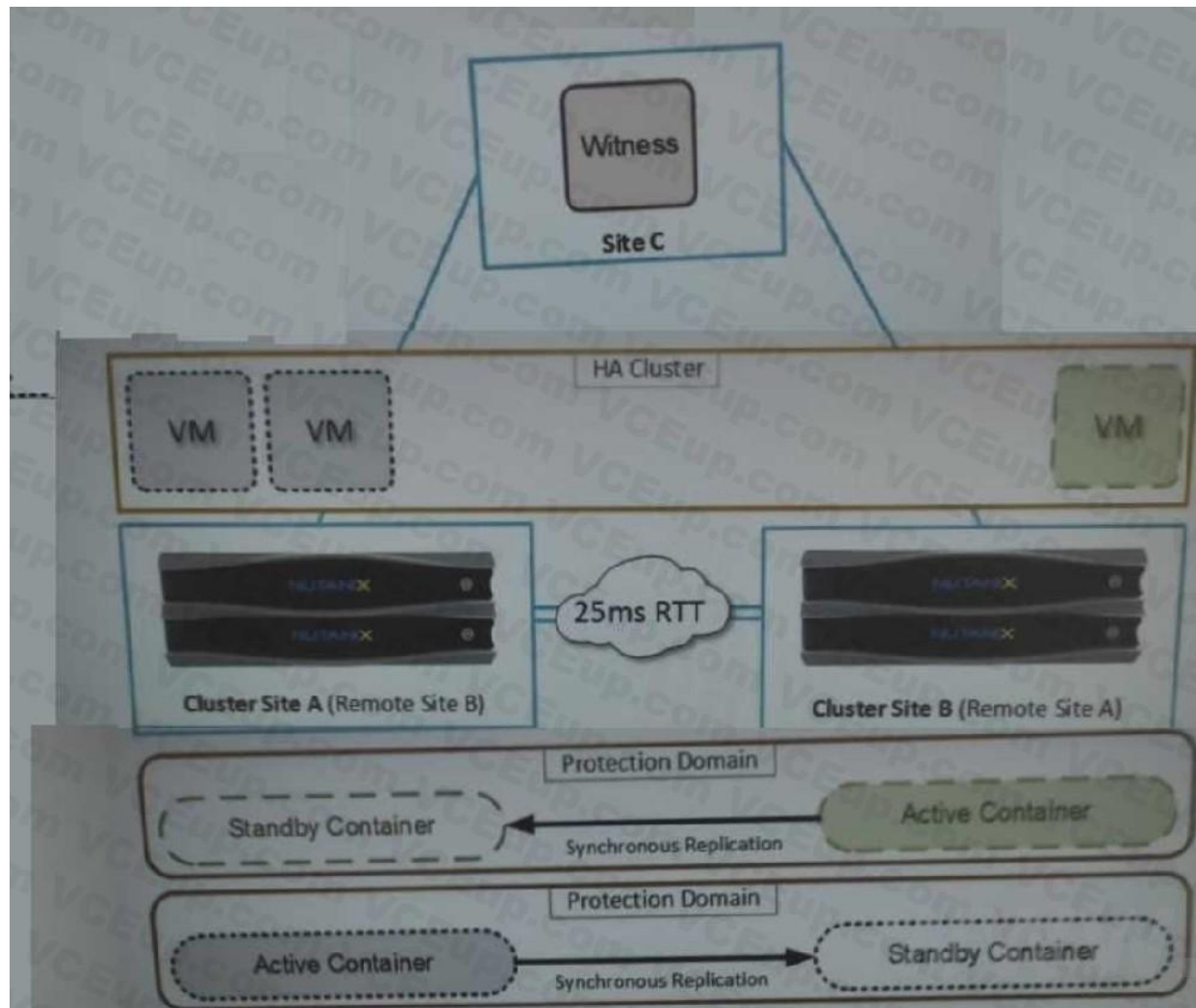
**Explanation/Reference:**

Explanation:

#### QUESTION 16

Refer to the exhibit.





An administrator is trying to implement the solution that is shown in the exhibit, but has been unsuccessful. Based on the diagram, what is causing the issue?

- A. A remote Witness VM
- B. Active containers in both sites
- C. Network latency
- D. Unsupported hypervisor

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 17

The administrator recently had a node fail in an AHV Nutanix cluster. All of the VMs restarted on other nodes in the cluster, but they discovered that the VMs that make up a SQL cluster were running on the failed host. The administrator has been asked to take measures to prevent a SQL outage in the future. What affinity option will prevent the SQL VMs from running on the same hos?

- A. VM-VM anti-Affinity policy
- B. Create Affinity Category
- C. VM-Most Affinity policy
- D. Create Affinity Project

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:**

Explanation:

**QUESTION 18**

After logging into Prism Element, an administrator presses the letter A on the Keyboard.  
What is the expected outcome of this input?

- A. Alerts page will launch
- B. Analysis will launch
- C. About Nutanix page will launch
- D. API Explorer page will launch

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 19**

An administrator needs to increase bandwidth available to the AHV host and to the CVM.  
How should the administrator complete this task?

- A. In Prism, update vs0 to change the configuration to Active-Active.
- B. Use manage-ovs commands to update br0 change the configuration to Active-Active.
- C. In Prism, create a vsl interface and add any remaining uplinks.
- D. Use manage-ovs commands to create br1 and add any remaining uplinks

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 20**

Which inefficient VM Profile can be used to identify a VM that consumes too many resources and causes other VMs to starve?

- A. Over-provisioned VM
- B. Inactive VM
- C. Bully VM
- D. Constrained VM

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

**QUESTION 21**

What is the recommended approach for a constrained VM?

- A. Reboot the VM
- B. Delete the VM.
- C. Increase the VM resources.
- D. Decrease the VM resources



**Correct Answer:** C  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 22**

An administrator wants to expand the Failure Domain level of a cluster.  
What two options are available? (Choose two.)

- A. Node
- B. Data Center
- C. Block
- D. Rack

**Correct Answer:** CD  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 23**

What is a requirement to enable Flow Networking?

- A. A dedicated virtual switch has been created for Flow Networking.
- B. Flow Micro segmentation must be enabled.
- C. Microservices infrastructure must be enabled.
- D. Prims Central is using a three-node scale-out deployment

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 24**

A user running a Computer Aided Design (CAD) application is complaining about slow response time within the VM, particular when moving windows or rendering images.  
Which VM metric will guide the administrator toward diagnosing the problem?

- A. Storage Controller Latency
- B. GPU Usage
- C. Swap in Rate
- D. Hypervisor Memory Usage (%)

**Correct Answer:** B  
**Section:** (none)  
**Explanation**

**Explanation/Reference:**  
Explanation:

**QUESTION 25**

An administrator needs to ensure logs, alerts and information is consistent across clusters that are located in different countries.  
Which service needs to be configured?

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- A. SMTP
- B. DNS
- C. SNMP
- D. NTP

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 26

An administrator manages an AHV cluster that is dedicated to a dev/test environment. The administrator receiving complaints from users that they are unable to create new VMs on the cluster. After the reviewing the cluster, the administrator finds that the memory resources are almost fully utilized, with many VMs over-provisioned on memory. What option is the most efficient resolution to enable additional VMs to be created?

- A. Enable Memory Overcommit on the over-provisioned VMs.
- B. Enable Memory HA on the over-provisioned VMs.
- C. Upgrade the nodes with additional memory DIMMs.
- D. Disable HA Reservation on the cluster.

**Correct Answer:** D

**Section:** (none)

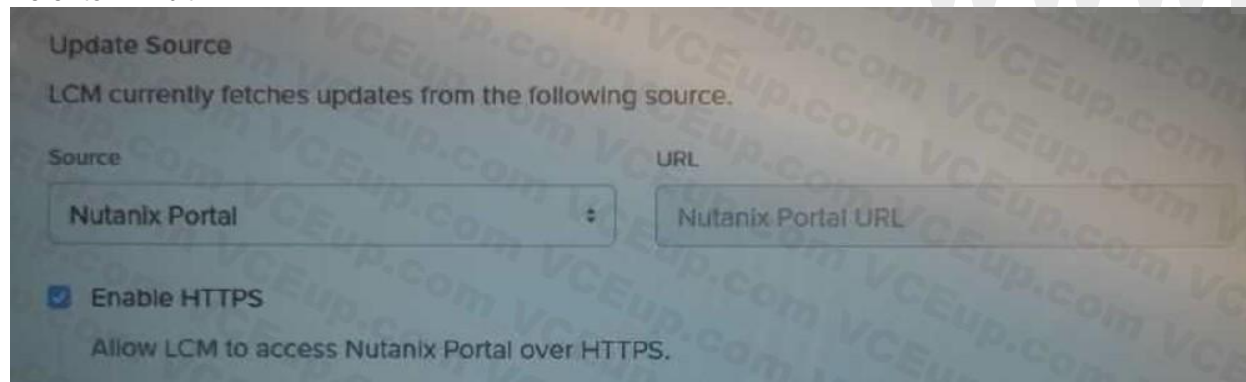
**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 27

Refer to Exhibit.



The Update Source for LCM has been configured as shown in the exhibit. Inventory is failing consistently. What is the likely cause of this issue?

- A. Port 433 Is blocked by a firewall.
- B. Port 80 is blocked by a firewall.
- C. The administrator does not have a valid portal account.
- D. The license assigned to the cluster has expired.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 28

During an AHV upgrade, an administrator finds that a critical VM was powered off rather than migration to another host. Which scenario explains this behavior?

- A. NO AHV hosts were able to be scheduled.
- B. The VM OS hung during migration.
- C. The VM was on the same host as the acropolis leader.
- D. The VM was marked as an agent VM.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 29

Which two types of granular RBAC does Nutanix provide for AHV hosts? (Choose two.)

- A. Category based
- B. Project based
- C. Disk based
- D. Cluster based

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

#### QUESTION 30

An administrator is tasked with configuring networking on an AHV cluster and needs to optimize for maximum single VM throughput. Which bond mode should the administrator select?

- A. Active-Active with Mac pinning
- B. Active-Active
- C. Active-Backup
- D. No Uplink Bond

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Explanation:

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