



**Free Questions for 300-610 by vceexamstest**

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## Question 1

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**Question Type:** MultipleChoice

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An engineer must integrate Layer 4 to Layer 7 services within Cisco ACI Fabric. The main requirement is to have a single point of configuration for network elements and firewall policies.

Which action meets these requirements?

### Options:

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- A- Define the service graph model as network policy mode.
- B- Deploy the firewalls in routed mode with PBR.
- C- Deploy the firewalls in transparent mode.
- D- Define the service graph model as service policy mode.

### Answer:

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D

## Question 2

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**Question Type: MultipleChoice**

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A network consultant proposes that the configuration of the Cisco UCS servers be based on service templates to facilitate the UCS infrastructure operation. The service profiles must remain connected to the template and be modified when the template settings are changed.

Which configuration meets these requirements?

**Options:**

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- A- service profile with type set to Global
- B- service profile with type set to Local
- C- service profile template with type set to Updating
- D- service profile template with type set to Initial

**Answer:**

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C

## Question 3

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**Question Type: MultipleChoice**

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An engineer must deploy a Cisco HyperFlex system at two data centers. For redundancy reasons, the setup must achieve data protection in case of an entire site failure. The data must be available on both sites at all times to keep the recovery time objective to a minimum.

Which Cisco HyperFlex deployment model meets these requirements?

**Options:**

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- A- ROBO cluster
- B- stretched cluster
- C- edge with four nodes or more
- D- standard with eight nodes

**Answer:**

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B

## Question 4

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**Question Type:** MultipleChoice

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An engineer is operating data center environment that hosts data-intensive financial applications. The applications are mostly processing HTTP/HTTPS data with large data segments, which results in a CPU contention due to the significant network processing.

Which set of the Ethernet adapter policies must be selected to resolve the issue?

- A.
  - Receive Checksum Offload field set to Disabled
  - TCP Segmentation Offload field set to Disabled
  - Transmit Queues field: 32
  - Ring Size field: 256
- B.
  - Receive Checksum Offload field set to Enabled
  - TCP Segmentation Offload field set to Disabled
  - Transmit Queues field: 64
  - Ring Size field: 128
- C.
  - Receive Checksum Offload field set to Enabled
  - TCP Segmentation Offload field set to Enabled
  - Transmit Queues field: 128
  - Ring Size field: 64
- D.
  - Receive Checksum Offload field set to Disabled
  - TCP Segmentation Offload field set to Enabled
  - Transmit Queues field: 256
  - Ring Size field: 128

### Options:

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**A-** Option A

**B-** Option B

**C-** Option C

D- Option D

**Answer:**

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B

## Question 5

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**Question Type: MultipleChoice**

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An engineer deploys VMware ESXi hypervisor on blade servers. The virtual networking is managed by Cisco Nexus 1000V Series Switches.

Which configuration aligns with Cisco recommended practices for providing high availability and a maximum throughput to the VMware ESXi hosts?

**Options:**

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- A- dual vNICs with static EtherChannel link aggregation
- B- dual vNICs with hardware fabric failover on the fabric interconnects
- C- dual vNICs with MAC pinning link aggregation

**D-** dual vNICs with LACP link aggregation

**Answer:**

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D

## Question 6

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**Question Type: MultipleChoice**

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An engineer must design a DNS service available to multiple network zones as a shared service. The network zones are deployed as VRFs within the data center network and no firewall is available for communication between VRFs.

Which protocol is needed to implement the shared services?

**Options:**

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**A-** BGP

**B-** OSPF

**C-** ISIS

**D-** VXLAN

**Answer:**

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D

## Question 7

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**Question Type: MultipleChoice**

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A cloud service provider provisioned four active/active data centers in various locations within the country at 50 miles between each data center. The data centers must provide redundant network infrastructure and always be available to customers.

Which two data center design steps must be used to meet these requirements? (Choose two.)

**Options:**

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- A-** Provide application hosting services to customers from the closest data center.
- B-** Implement active cluster in data centers 1 and 2 and backup in 3 and 4.
- C-** Use asynchronous replication between data centers 1 and 2.
- D-** Deploy database services in data center 1 and application layer to other data centers.
- E-** Configure application data replication to all backup data centers.



**Answer:**

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A, E

## Question 8

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**Question Type:** MultipleChoice

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A customer must install a new Hyperflex Stretched cluster in two sites. Low latency and predictable high performance are the top priorities for this setup due to the extensive usage of data-intensive applications across the cluster. Which HyperFlex storage solution is recommended to meet these requirements?

**Options:**

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**A-** All-HDD

**B-** Hybrid

**C-** All-SAN

**D-** All-Flash

**Answer:**

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D

## Question 9

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**Question Type:** MultipleChoice

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A database administrator experiences delay when performing storage replication between primary and secondary data centers. The data centers are located 20 kilometers apart and are connected using a 500 Mbps link. The deployment was implemented using an FCIP tunnel and a pair of Cisco MDS 9250 Series Switches. The network engineer decided to enable QoS to prioritize replication traffic. Which QoS model must be used to resolve the performance issues?

### Options:

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- A- Resource Reservation Protocol
- B- weighted round robin
- C- differentiated services
- D- strict priority queuing

### Answer:

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D

## Question 10

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**Question Type:** MultipleChoice

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A company has added a new FCoE storage array to increase the performance of datastore access for end users. This storage array is directly connected to the Cisco Nexus 5672UP switches using four 10G port-channel interfaces. After deployment, the end users fail to access the datastore compared to the older solution. A network engineer verified the port-channel interface and finds that the congestion occurs when PFC frames are generated at the FCoE ingress interface. Which action must be taken to resolve the congestion issue?

### Options:

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- A- Reserve bandwidth for FCoE VLAN on the port-channel interface connected with storage.
- B- Enable the FCoE class in QoS on Cisco Nexus 5672UP switches.
- C- Increase the queuing buffer in the port-channel interface connected to the storage array.
- D- Add an additional FCoE VLAN to the SAN network.

### Answer:

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B

## Question 11

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**Question Type: MultipleChoice**

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A cloud service provider is managing day-2 operations of over 200 blade servers installed in the Cisco UCS environment. This pool of network resources is providing virtual networks to their customers. To successfully operate this environment, frequent changes to vNICs and other operational policies are required across multiple UCS domains. The operations team must streamline these repetitive tasks. Which orchestration tool must be used to meet this requirement?

**Options:**

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- A- Cisco ACI Multisite Orchestrator
- B- Cisco DAN Center
- C- Cisco UCS Director
- D- Cisco UCS Manager

**Answer:**

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C

## Question 12

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**Question Type: MultipleChoice**

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An engineer is implementing a Cisco UCS environment. The system must aggregate all vNICs into a single policy and consistently enforce node disassociation across the cluster. Which two UCS policies meet these requirements? (Choose two.)

**Options:**

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A- scrub policy

B- vNIC policy

C- boot policy

D- firmware policy

E- LAN connectivity policy

**Answer:**

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B, E

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