



Free Questions for 300-610  
Shared by Conley on 20-10-2022

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# Question 1

Question Type: MultipleChoice

Refer to the exhibit.

```
class-map class_af11
  match dscp af11
  exit
policy-map type qos policy_af11
  class class_af11
  set dscp 14
  police cir 10 mbs bc 1 mbs conform transmit violate drop
```

An engineer is configuring a QoS policy with these requirements

Match-all AF11 traffic and set it to a DSCP value of 14.

The committed rate must be 10 Mbps with a committed burst rate of 1000 ms

Drop any AF11 traffic that violates these settings.

Any traffic other than af11 must have a DSCP value of 0

The given class-map configuration already exists. Which solution must the engineer use to meet the requirements?

A)

```
policy-map type qos policy_af11
  class class-other
  match dscp 0
```

B)

```
policy-map type qos policy_af11
  class class-af11
  match other set dscp 0
```

C)

```
policy-map type qos policy_af11
  class class-default
  set dscp 0
```

D)

```
policy-map type qos policy_af11  
class class_af11  
set dscp 0
```

Options:

- A- Option A
- B- Option B
- C- Option C
- D- Option D

Answer:

C

## Question 2

Question Type: MultipleChoice

An end user is experiencing network latency when accessing a database in a disaster recovery site. The monitoring team concluded that the database was writing simultaneously to the storage arrays on the primary and disaster recovery sites.

Which design resolves this issue?

Options:

- A- asynchronous replication between data centers
- B- synchronous replication between data centers
- C- FCoE tunnel between data center
- D- FCIP tunneling between data center

Answer:

A

## Question 3

Question Type: MultipleChoice

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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A storage administrator receives reports of network delays when database software attempts to access the storage array. The virtual machines that host the database software are installed on different rack servers connected to the Cisco UCS Fabric Interconnect domain. The existing SAN switches are connected to the Fabric Interconnects using two 8 Gb port-channel interfaces to connect the storage array. The storage administrator has decided to deploy iSCSI storage with four 10 Gbps interfaces connected to the Cisco UCS Fabric Interconnects.

Which deployment type resolves the problems with storage contention?

Options:

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- A- iSCSI storage with Cisco UCS Fabric Interconnect in the virtual port-channel mode
- B- iSCSI storage with Cisco UCS Fabric Interconnect using an appliance port
- C- iSCSI storage appliance on Cisco UCS Fabric Interconnect uplink trunk port
- D- iSCSI storage appliance on Cisco UCS Fabric Interconnect in the storage end-host mode

Answer:

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C

## Question 5

Question Type: MultipleChoice

Refer to the exhibit.

```
switch# show interface fc 1/1
fc1/1 is up
Hardware is Fibre Channel, SFP is short wave laser w/o OFC (SN)
Port WWN is 22:01:00:05:30:01:1f:02
Admin port mode is F
snmp traps are enabled
Port mode is F, FCID is 0xec0002
Port vsan is 1
Speed is 4 Gbps
Rate mode is shared
Transmit B2B Credit is 64
Receive B2B Credit is 16
Receive data field Size is 2112
Beacon is turned off
5 minutes input rate 0 bits/sec, 0 bytes/sec, 0 frames/sec
5 minutes output rate 0 bits/sec, 0 bytes/sec, 0 frames/sec
213 frames input, 17311 bytes
0 discards, 0 errors
0 CRC, 0 unknown class
0 too long, 0 too short
332 frames output, 22344 bytes
0 discards, 0 errors
0 input OLS, 0 LRR, 1 NOS, 0 loop inits
1 input OLS, 0 LRR, 0 NOS, 0 loop inits
16 receive B2B credit remaining
64 transmit B2B credit remaining
```

A customer must ensure that the interface on a switch has enough resources to sustain the line rate traffic during peak load.

Which action meets this requirement?

Options:

- A- Change the rate mode to dedicated.
- B- Set Transmit B2B credit to 16.
- C- Change the port mode to NL.
- D- Increase the data field size to 9000 bytes.

Answer:

A

## 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:

- 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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An engineer is configuring a Cisco UCS Service Profile template for an environment that will host Windows servers. Some of the servers require access to a Fibre Channel storage network. The design requires the server HBA to send the maximum number of commands to a Fibre Channel disk using a single transmission. Which action must be taken to meet these requirements?

Options:

- A- Set LUN Queue Depth to 240
- B- Decrease Link Down Timeout to 20.000
- C- Disable 10 Timeout Retry
- D- Increase Max Data Field Size to 2096

Answer:

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A

## Question 8

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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:

- A- scrub policy
- B- vNIC policy
- C- boot policy
- D- firmware policy
- E- LAN connectivity policy

Answer:

B, E

## Question 9

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Question Type: MultipleChoice

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A customer must deploy a new Cisco HyperFlex stretched cluster solution to ensure virtual server availability in case the data center fails. The current network environment provides multiple geographic locations. Which action must be taken to meet these objectives?

Options:

- A- Implement the round trip time latency between the sites to be lower than 20 ms
- B- Place an independent witness component at a third site
- C- Deploy the stretch cluster sites to be within the distance of 300 miles apart
- D- Configure the cluster with the maximum data replication factor

Answer:

C

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