



**Vendor:** Cisco

**Exam Code:** 642-996

**Exam Name:** Designing Cisco Data Center Unified Fabric  
(DCUFD)

**Version:** DEMO

**QUESTION 1**

Which Cisco product meets the LAN extension cryptography requirement in OTV over Dark Fiber scenario?

- A. Zone based firewall
- B. VSG
- C. Cisco TrustSec
- D. IronPort

**Answer: C**

**QUESTION 2**

Which two business requirements are factors in choosing to use Cisco Unified Fabric (Choose 2)

- A. Maximized energy efficiency
- B. Increased network component security
- C. Long-term cost savings
- D. Short-term capital expenditure savings
- E. Reduced license costs for virtual servers

**Answer: AC**

**QUESTION 3**

You plan to implement a new Cisco Nexus 7000 Series Switch that will have N7K-F132XP-15 F1 modules . How many fabrics modules do you need to achieve the full F1 module capacity?

- A. 10
- B. 3
- C. 5
- D. 2

**Answer: C**

**Explanation:**

last digit 15 = 1 fabrics module minimum to operate and 5 to operate at maximum capacity

**QUESTION 4**

Which two option are benefits of credit-based flow control in a Fibre Channel network ? (Choose two)

- A. Maximizes performance under high loads
- B. Sends credit to all of the switches in a SAN zone
- C. Increases the credit limit when the buffer overruns
- D. Prevents the loss of frames due to buffer overruns
- E. Provides automatic buffer scaling under high loads

**Answer: AD**

**QUESTION 5**

Which two technologies can be used to minimize routing to the DC core layer from being

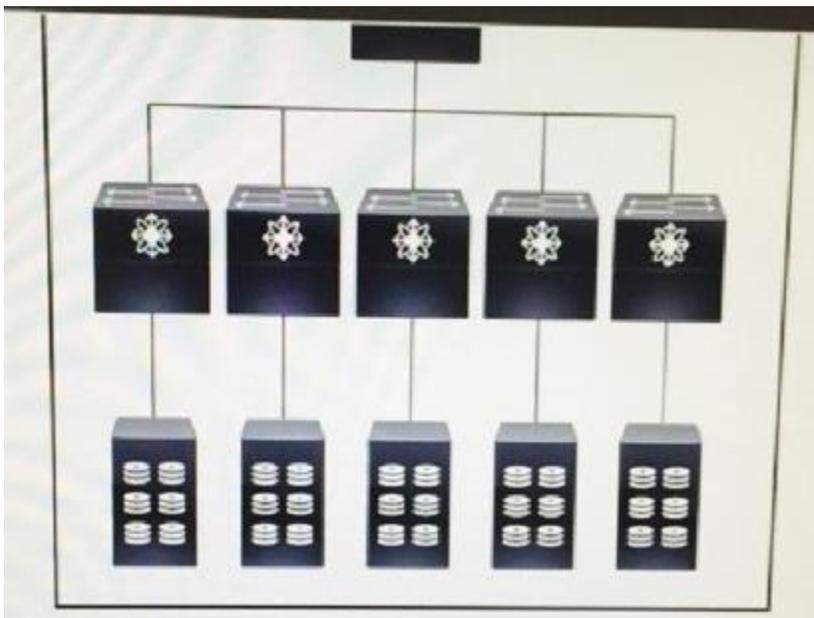
compromised ? (Choose two)

- A. Route redistribution
- B. Route summarization
- C. Route filtering
- D. Route peer authentication
- E. Policy-based routing

**Answer:** BC

#### QUESTION 6

Refer to the exhibit. You are evaluating a proposed topology design. Which technology can you recommend to lower the total cost of the hardware for the topology ?



- A. A VSAN
- B. Private VLANs
- C. VLAN trunking
- D. Port channels

**Answer:** A

#### QUESTION 7

You plan to build a Tier 1 data center with less redundant component. Which series of device must you use for a top-of-rack solution ?

- A. Cisco Nexus 7000
- B. Cisco Nexus 5500
- C. Cisco Nexus 2000
- D. Cisco Nexus 5000

**Answer:** C

**QUESTION 8**

Which two platforms are supported by using the Cisco Prime Data Center Network Manager ? (Choose two).

- A. Cisco Aironet
- B. Cisco MDS switches
- C. Cisco Nexus switches
- D. Cisco ACE
- E. Cisco Catalyst switches

**Answer:** BC

**QUESTION 9**

Which protocol can you use to automate the process of provisioning new devices in a data center?

- A. LACP
- B. PAgP
- C. LDP
- D. LISP
- E. POAP

**Answer:** E

**QUESTION 10**

Which three options are features of the Cisco Prime Data Center Network Manager? (Choose three)

- A. HTTPS connections to devices
- B. Security rules and objects views
- C. Authentication services
- D. SAN inventory
- E. Inventory and performance views
- F. Device groups and scoping

**Answer:** CEF

**QUESTION 11**

Which two functionalities are provided for each context by using multiple context mode on a Cisco ASA firewall ? (Choose two)

- A. Separate SSL VPN configurations
- B. Separate security policies
- C. Separate IPsec VPN configurations
- D. Separate administration
- E. Different dynamic routing protocols

**Answer:** BD

**Explanation:**

You can partition a single ASA into multiple virtual devices, known as security contexts. Each context is an independent device, with its own security policy, interfaces, and administrators. Multiple contexts are similar to having multiple standalone devices. Many features are supported in multiple context mode, including routing tables, firewall features, IPS, and management. Some features are not supported, including VPN and dynamic routing protocols.

**QUESTION 12**

Which two Cisco Unified Fabric aggregation layer devices can run a full Fibre Channel Forwarder ? (Choose two)

- A. Cisco Catalyst 6500 Series
- B. Cisco Nexus 5500 Series
- C. Cisco Nexus 7000 Series
- D. Cisco MDS 9000 Series
- E. Cisco Nexus 3000 Series

**Answer:** BC

**QUESTION 13**

You are designing the network topology for a data center that must have a maximum delay of 1.6 microseconds within the data center. Which two options are possible switching platforms for the data center ? (Choose two)

- A. Cisco Nexus 4000 Series
- B. Cisco Catalyst 3580 Series
- C. Cisco Nexus 3000 Series
- D. Cisco Nexus 7000 Series
- E. Cisco Catalyst 6500 Series

**Answer:** DE

**QUESTION 14**

You plan to extend a single-site data center to a dual-site solution that will use an IP-based Layer 3 interconnect using Cisco Nexus switches. The solution must support virtual machine migrations between the two sites. Which protocol must you use?

- A. MPLS L3VPN
- B. BGP
- C. VPLS
- D. OTV

**Answer:** C

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