

# 010-151 - DCTECH Supporting Cisco Data Center System Devices

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1. Which method is a TCP/IP-based protocol for establishing and managing connections between IP-based storage devices, hosts, and clients?

- A. FCIP
- B. iFCP
- C. iSCSI
- D. FCoE

**Answer: C**

2. Which method does FCIP use to enable connectivity of geographically distributed Fibre Channel SANs over IP?

- A. routing
- B. tunneling
- C. handshaking
- D. transporting

**Answer: B**

3. Which important feature on the front end is provided to the clients by multiple servers that access the same storage devices across the SAN?

- A. recovery
- B. redundancy
- C. resiliency
- D. security
- E. storage

**Answer: B**

4. The Ethernet specification details several different fiber optic media types. What is the wire transmission

speed for 100BASE-FX Ethernet?

- A. 10 Mb/s
- B. 100 Mb/s
- C. 1000 Mb/s
- D. 10000 Mb/s

**Answer: B**

5.Which fiber optic cable type is used most often with a Subscriber connector?

- A. dual-mode
- B. single-mode
- C. straight-mode
- D. multi-mode
- E. subscriber-mode

**Answer: B**

6.Which type of connection across the network does a SAN allow for multiple servers to access an unlimited amount of storage devices?

- A. any-to-many
- B. many-to-any
- C. any-to-any
- D. any-to-one
- E. one-to-any
- F. one-to-one

**Answer: C**

7.Which two statements about the Ethernet media are true? (Choose two.)

- A. A twisted-pair cable system has each pair of wires twisted together to reduce electromagnetic interference.
- B. Compared to multimode fiber, the single-mode fiber is designed for shorter distances with higher cost.
- C. 40 Gigabit Ethernet twinax cables deploy Enhanced Quad Small Form Factor Pluggable (QSFP+) connectors.
- D. The twinax cables can be found in either a shielded twisted-pair or an unshielded twisted-pair variation.

**Answer:** A,C

8.What is the wire transmission speed for 100GBASE-ER4 Ethernet?

- A. 100 Mb/s
- B. 1 Gb/s
- C. 10 Gb/s
- D. 100 Gb/s

**Answer:** D

9.Which two statements about PCIe are true? (Choose two.)

- A. The PCIe link is built around dedicated unidirectional couples of serial, point-to-point connections known as lanes.
- B. You can install a PCI Express x8 adapter into an x4 slot.
- C. The PCIe standard is a bus-based system in which all the devices share the same bidirectional, 32-bit or 64-bit, parallel signal path.
- D. The PCIe 1.0 standard doubles the transfer rate compared to PCIe 2.0.
- E. A link that is composed of four lanes is called an x4 link.

**Answer:** A,E

10.Which three statements about FCoE are true? (Choose three.)

- A. Allows Fibre Channel and Ethernet networks to share a single, integrated infrastructure.
- B. Encapsulates Fibre Channel frames into Ethernet frames, which allows them to run alongside traditional IP traffic.
- C. Increases capital costs due to the difficulty to manage.
- D. Consolidates I/O traffic in the data center.

**Answer:** A,B,D

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