

**Cisco 350-040**

**CCIE Storage Networking Written Exam**

**Version: 5.0**

**QUESTION NO: 1**

Which three of these Fibre Channel words are known as primitive signals? (Choose three.)

- A. NOS
- B. R\_RDY
- C. CLS
- D. LIP
- E. IDLE

**Answer: B,C,E**

**Explanation:**

**QUESTION NO: 2**

What set of primitive signals is valid for arbitrated loop?

- A. NOS, LOS, LR, LRR
- B. SOF, EOF, ABTS, ACK
- C. LIFA, LIPA, LIHA, LISA
- D. LIP, LR, LRR, SOF
- E. CLS, OPN, ARB

**Answer: E**

**Explanation:**

**QUESTION NO: 3**

If a Fibre Channel interface is receiving an NOS pattern on its interface, what pattern will the interface be transmitting?

- A. OLS
- B. LR
- C. LRR
- D. IDLE
- E. NOS

**Answer: A**

**Explanation:**

**QUESTION NO: 4**

All of these are functions of LIP except which one?

- A. reinitialize a loop
- B. allow non disruptive attachment to loop to happen
- C. indicate loop receiver failure
- D. indicate which port to reset on loop
- E. acquire an AL\_PA

**Answer: B**

**Explanation:**

**QUESTION NO: 5**

Which configuration command enables all discovered storage to be available for iSCSI?

- A. iscsi virtual-target all
- B. iscsi target enable fc
- C. fc-target import iscsi
- D. enable fc targets dynamic
- E. iscsi import target fc

**Answer: E**

**Explanation:**

**QUESTION NO: 6**

What SW\_ILS frame is used to perform principal switch selection?

- A. RDI
- B. DIA
- C. EFP
- D. ELP
- E. ESC

**Answer: C**

**Explanation:**

**QUESTION NO: 7**

Which events will trigger a port to start a Link Initialization Protocol procedure? (Choose two.)

- A. the power is turned on
- B. a LOGO ELS command is received
- C. an reset of the interface is performed
- D. an interface SHUT command is issued
- E. an RSCN is received

**Answer: A,C**

**Explanation:**

**QUESTION NO: 8**

The Domain Identifier Assigned (DIA) SW\_ILS command indicates which two of these? (Choose two.)

- A. a principal switch has been selected and the upstream neighbor switch has been assigned a domain identifier
- B. the principal switch selection and address assignment phase has been completed and the fabric is operational
- C. the receiving switch can proceed to request a domain identifier
- D. the principal switch selection has been started, but a principal switch has not been identified yet
- E. a Request Domain Identifier SW\_ILS frame has been received by the principal switch

**Answer: A,C**

**Explanation:**

**QUESTION NO: 9**

Which two of these are effects of a BF SW\_ILS? (Choose two.)

- A. It causes a disruptive reconfiguration of the fabric.
- B. It causes a non-disruptive reconfiguration of the fabric.
- C. It causes a new principal switch selection to happen.
- D. It causes all the assigned addresses in the fabric to be changed, while avoiding traffic loss by

holding data traffic.

E. It helps to resolve overlapping domain identifiers.

**Answer: B,C**

**Explanation:**

#### QUESTION NO: 10

Which of these statements about the R\_T\_TOV are true? (Choose two.)

- A. It is a timer with a default value of 100 ms that is used by the receiver logic to detect loss of synchronization.
- B. It is a timer with a default value of 100 ms that it is used for detecting protocol error conditions.
- C. Its values is two times that of E\_D\_TOV, and it is used as the timeout value for determining when to reinstate a Recovery\_Qualifier.
- D. It is negotiated between the N\_Port and the fabric during the fabric login as one of the common service parameters exchanged.
- E. It is used to time events occurring on a single link.

**Answer: A,E**

**Explanation:**

#### QUESTION NO: 11

Which of these statements about the E\_D\_TOV are correct? (Choose three.)

- A. It is a timer with a default value of 100 ms that is used by the receiver logic to detect loss of synchronization.
- B. It is a timer with a default value of two seconds that is used for detecting protocol error conditions.
- C. It is a timer used as the timeout value for determining when to reinstate a Recovery\_Qualifier.
- D. During fabric login, it is negotiated by the N\_Port and the fabric as one of the common service parameters exchanged.
- E. It represent a limit on the amount of time within which an action can be taken after the transmission of consecutive data frames within a single sequence.

**Answer: B,D,E**

**Explanation:**

**QUESTION NO: 12**

Which three of these are attributes of the 8B/10B encoding scheme used by Fibre Channel?  
(Choose three.)

- A. facilitates a sufficient number of one-to-zero transitions to enable clock recovery
- B. maintains DC balance
- C. detects all transmission errors
- D. provides variable bit, byte, and word rates
- E. generates special characters beyond the eight-bit code space

**Answer: A,B,E**

**Explanation:**

**QUESTION NO: 13**

What is the purpose of the Open Fiber Control system?

- A. It defines the flow control mechanism for Fibre Channel.
- B. It defines the mechanism by which Fibre Channel switches communicate with Gbics.
- C. It defines a safety mechanism for shutting down laser data links.
- D. It defines the distance limitations for different types of lasers.
- E. It specifies the maximum bit error rate for Fibre Channel links.

**Answer: C**

**Explanation:**

**QUESTION NO: 14**

You have a host that needs to search the fabric for all target devices that support SCSI. What is the D\_ID of the frame to query for this information?

- A. 0xFFFFFA
- B. 0xFFFFFD
- C. 0xFFFFFC
- D. 0xFFFFF
- E. 0xFFFFFE

**Answer: C**

**Explanation:**

**QUESTION NO: 15**

Which of these are functions of the principal switch? (Choose two.)

- A. to determine if a new switch can join the fabric
- B. to assign domain IDs
- C. to act as the root in the determination of the Principal Path
- D. to determine all FSPF paths
- E. to detect zone merge failures

**Answer: B,C**

**Explanation:**

**QUESTION NO: 16**

You are connecting two existing fabrics. Fabric 1 includes domains 97 and 100. Fabric 2 includes domains 100 and 101. When an ISL is connected between the two fabrics, the new domain IDs for the newly merged fabric are 97, 100, 101, 102.

What SW\_ILS command is generated to allow the switches to accept a new domain ID?

- A. BF
- B. ESC
- C. EFP
- D. ELP
- E. RCF

**Answer: E**

**Explanation:**

**QUESTION NO: 17**

Which three of these correctly describe the functioning of the TCP slowstart algorithm? (Choose three.)

- A. Immediately after the TCP connection has been initiated or after a long period of idle, it makes

sure that new packets are sent at the same rate at which acknowledges are returned.

- B.** It slows down the transmission rate of the sender when congestion in the network is detected.
- C.** It causes a linear growth of the transmitter window size every time an ACK is received.
- D.** It causes an exponential growth of the transmitter window size every time an ACK is received.
- E.** It causes a linear drop of the transmitter window size every time an ACK is lost.

**Answer: A,B,D**

**Explanation:**

#### **QUESTION NO: 18**

What does the TCP fast recovery algorithm do?

- A.** uses the fast-retransmit algorithm when a missing segment is detected
- B.** initiates slowstart instead of congestion avoidance after the fast-retransmit algorithm sends what appears to be the missing segment
- C.** starts congestion avoidance instead of slowstart after the fast-retransmit algorithm sends what appears to be the missing segment
- D.** after a new connection is established with a host on another network, it initializes the congestion window to one segment, and thereafter increases the congestion window by one segment each time an ACK is received

**Answer: C**

**Explanation:**

#### **QUESTION NO: 19**

To which well-known Fibre Channel Services address do FICON-enabled hosts send Query Security Attribute (QSA) extended link service commands?

- A.** FF.FF.FA
- B.** FF.FF.FD
- C.** FF.FF.FC
- D.** FF.FF.FE
- E.** FF.FF.F7

**Answer: B**

**Explanation:**



**QUESTION NO: 20**

A mainframe is using a 2-byte link address. What does this definitively indicate?

- A. cascaded FICON environment
- B. non-cascaded FICON environment
- C. QSA frame will be sent during N-port login
- D. CUP device is in use
- E. Control Unit Image is offline

**Answer: C**

**Explanation:**

**QUESTION NO: 21**

What SCSI command does a target send to an initiator after the initiator sends the target a write command?

- A. Write Ready
- B. Status
- C. RSCN
- D. Transfer Ready
- E. B2B Credit Decrement

**Answer: D**

**Explanation:**

**QUESTION NO: 22**

What are the correct configuration commands to enable Cisco SAN-OS FCIP Tape Acceleration and Read Acceleration for a given FCIP link?

- A. interface fcip113
- switchport description to-remote-tape-fcip113
- switchport trunk mode off
- switchport mode E
- no shutdown
- switchport trunk allowed vsan 2013
- use-profile 113
- peer-info ipaddr 192.168.255.106
- tape-accelerator read-accelerator flow-control-buffer-size auto

ip-compression auto  
**B.** interface fcip113  
switchport description to-remote-tape-fcip113  
switchport trunk mode off  
switchport mode E  
no shutdown  
switchport trunk allowed vsan 2013  
use-profile 113  
peer-info ipaddr 192.168.255.106  
write-accelerator tape-accelerator flow-control-buffer-size auto  
ip-compression auto  
**C.** interface fcip113  
switchport description to-remote-tape-fcip113  
switchport trunk mode off  
switchport mode E  
no shutdown  
switchport trunk allowed vsan 2013  
use-profile 113  
peer-info ipaddr 192.168.255.106  
write-accelerator tape-accelerator read-accelerator flow-control-buffer-size auto  
ip-compression auto  
**D.** interface fcip113  
switchport description to-remote-tape-fcip113  
switchport trunk mode off  
switchport mode E  
no shutdown  
switchport trunk allowed vsan 2013  
use-profile 113  
peer-info ipaddr 192.168.255.106  
write-accelerator read accelerator tape-accelerator flow-control-buffer-size auto  
ip-compression auto

**Answer: B**

**Explanation:**

### QUESTION NO: 23

What is the maximum number of equal cost paths for FCIP Tape Acceleration when using port channels, if channel protocol = off?

- A. 2
- B. 8
- C. 16
- D. 1