

# S10-210<sup>Q&As</sup>

Storage Networking Management and Administration

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### QUESTION 1

You have determined that the root cause of your problem is related to invalid characters being intermittently transmitted on your 4 Gb FC link.

What describes this condition?

- A. Disparity error character
- B. Link hardware cannot detect k28.3 characters
- C. Link hardware cannot detect k28.5 characters
- D. Character does not fit in allowed 8b/10b codes or special characters

Correct Answer: D

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### QUESTION 2

Some business critical database applications have been suffering from slowly increasing performance issues with one enterprise SAN-attached storage system. In particular, the applications are showing higher than normal read response times.

What should the storage administrator monitor to determine the root cause?

- A. Storage utilization
- B. Available free space
- C. Write response time
- D. Cache hit rate

Correct Answer: D

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### QUESTION 3

You are performing an FC switch replacement and you want to ensure that no hosts will be disconnected from its storage.

Which multipathing software feature, on a server, must be supported and configured for a server to continue to have access to the fabric attached storage in this scenario?

- A. Active-passive
- B. Path failover
- C. Round-robin

D. Standby

Correct Answer: B

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**QUESTION 4**

You need to merge two existing FC fabrics. After connecting the ISL to join the fabrics, numerous switches segment.

What should be done to prevent the segmentation?

- A. Physically separate the switches to opposite sides of the data center.
- B. Move business critical applications to clusters.
- C. Increase the frequency of snapshots for critical data.
- D. Assign domain IDs which are unique across both fabrics.

Correct Answer: D

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**QUESTION 5**

You are using asynchronous storage replication to protect your critical database server. There are no replication agents installed on the database server. After a disaster, you are unable to bring up the database at the DR site.

What is the cause?

- A. The database requires replication from a second storage array.
- B. The database requires synchronous storage replication.
- C. Two copies of databases are required at the DR site to be able to replay transaction logs.
- D. An installed agent is required for the database to be quiesce and replicated in crash-consistent state.

Correct Answer: D

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**QUESTION 6**

A new server needs to start from LUN 1 instead of LUN 0. Which HBA setting must be configured?

- A. Selectable Boot
- B. Persistent Binding
- C. Enable Target Reset
- D. LUNs per Target

Correct Answer: A

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**QUESTION 7**

A line of business (LOB) executive informs you that a new application requires 99.999% (five 9s) of uptime from both planned and unplanned outages before a service level objective (SLO) will be breached.

What is the amount of permissible downtime per week?

- A. 20.16 minutes
- B. .605 seconds
- C. 5.04 minutes
- D. 6.06 seconds

Correct Answer: D

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**QUESTION 8**

A small business with an IP SAN and NAS storage is experiencing slow response times on the servers which have NAS storage resources.

Which two should the storage administrator monitor to determine the root cause? (Choose two.)

- A. Latency per NAS port
- B. IOPS per NAS port
- C. Link speed per NAS port
- D. MBps per NAS port
- E. I question the question

Correct Answer: BD

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**QUESTION 9**

Only one of many servers has poor performance within an enterprise SAN. The server administrator has found high disk timeout values without a decrease in throughput. The server has multiple paths to the storage system but only one path is active at this time. What should the storage administrator monitor to assist with troubleshooting?

- A. Number of errors on the active storage port
- B. IOPS on the active storage port
- C. MBps on the active storage port
- D. Buffer-to-buffer utilization by the active storage port

Correct Answer: A

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**QUESTION 10**

You need to implement a solution for a high transaction database which should have the lowest write latency as possible and still be able to sustain a failure of a single drive in a RAID group.

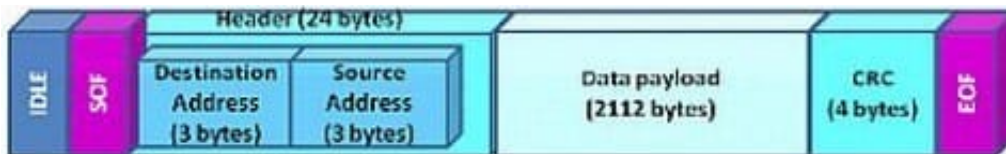
Which type of RAID you would use?

- A. RAID 0
- B. RAID 5
- C. RAID 6
- D. RAID 10

Correct Answer: C

**QUESTION 11**

Click the Exhibit button.



Which protocol is represented by the frame shown in the exhibit?

- A. FCoE
- B. iSCSI
- C. Ethernet
- D. Fibre Channel

Correct Answer: D

**QUESTION 12**

When troubleshooting an issue on a host, you discover that the existing file system partition has been corrupted after you provisioned a LUN to another host connected to the same FC fabric.

What is the cause of this problem?

- A. Incorrect zoning
- B. Incorrect LUN masking
- C. Incorrect multipathing policy

D. Incorrect LUN size

Correct Answer: B

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**QUESTION 13**

Five out of 4S servers using one particular enterprise storage system are experiencing performance degradation during normal working hours. All 48 servers have similar workload characteristics. There are multiple disk groups that make up your enterprise storage.

What should be monitored to determine the root cause?

- A. IOPS per RAID array
- B. Cache read hit ratio
- C. Traffic levels on the SAN switches
- D. Clone sessions

Correct Answer: A

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**QUESTION 14**

Click the Exhibit button.

```
Single Link consists of 4 lanes and each lane operates at:  
--2.5 (SDR), 5 (DDR), or 8 (QDR) Gbps
```

```
-----Physical Link-----  
Lane 0           Lane 1           Lane 2           Lane 3  
SDP             byte 0           byte 1           byte 2  
byte 3         byte 4           byte 5           EGP
```

```
SDP = Start Data Packet  
EGP = End Good Packet}
```

The physical interface shown in the exhibit is taken from which transport protocol?

- A. Ethernet
- B. FCP
- C. FCoE
- D. InfiniBand

Correct Answer: D

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**QUESTION 15**

The enterprise storage system has the "call home" feature enabled and configured. However, the storage administrator has been told that "call home" is not working.

Which two actions should you perform? (Choose two.)

- A. Verify SMTP settings.
- B. Verify SNMP thresholds.
- C. Verify firewall rules.
- D. Verify the SMI-S configuration.
- E. Verify VSAN configuration.

Correct Answer: AC

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