**The Data Link Layer**

**TOTAL POINTS 3**

1.Question 1

How many octets are there in a MAC address?

**1 / 1 point**



6



4



5



8

**Correct**

Great work! A MAC address is a 48-bit number consisting of 6 octets.

2.Question 2

What address is used for Ethernet broadcasts?

**1 / 1 point**



00:00:00:00:00:00



11:11:11:11:11:11



FF:FF:FF:FF:FF:FF



FF:00:FF:00:FF:00

**Correct**

Excellent! The address FF:FF:FF:FF:FF:FF is used for Ethernet broadcast traffic.

3.Question 3

What is a cyclical redundancy check?

**1 / 1 point**



A way for two computers to synchronize their clocks



A technique that allows for multiple logical LANs to operate on the same equipment



A mathematical calculation used to ensure that all data arrived intact



The actual data being transported by an Ethernet frame

**Correct**

Yep! A cyclical redundancy check ensures that there was no data corruption.

Ans 3