

Data Link Pt. 2

Due Mar 5 at 11:59pm**Points** 11**Questions** 10**Time Limit** None

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	1 minute	10 out of 11

Score for this quiz: **10** out of 11

Submitted Feb 26 at 6:49pm

This attempt took 1 minute.

Question 1

1 / 1 pts

What is a strategy for Media Access?

Correct!

- ☒ All 3 other options are strategies for Media Access
- ☐ Contention
- ☐ Channel Partitioning
- ☐ Taking Turns

Question 2

1 / 1 pts

TDMA is a specific implementation of what strategy for Media Access?

- ☐ TDMA is a made up implementation

Correct!☐ Taking Turns☒ Channel Partitioning☐ Contention**Question 3****1 / 1 pts**

Contention is the best implementation because it DOES NOT allow collisions.

☐ True☒ False**Correct!****Question 4****1 / 1 pts**

Regarding 802.3, the _____ helps to synchronize the clock, and is made up of this pattern: 10101010.

☐ Pad☐ Start Frame☐ Clock Sync☒ Preamble**Correct!****Question 5****1 / 1 pts**

At what layer does the Hub and Repeater operate?

Correct!

- ☐ Data-Link
- ☐ Both A and C
- ☒ Physical
- ☐ This is Hardware, it does not operate at any level

Question 6

0 / 1 pts

With respect to CSMA/CD, what happens if a collision is detected?

You Answered

- ☐ Abort, then Immediately Retry
- ☒ Abort, then Perform Exponential Backoff , then drop frame
- ☐ CSMA/CD does not detect collisions, that is CSMA/CA
- ☐ Abort, then Perform Exponential Backoff, then retransmit

Correct Answer

Slide 45

Question 7

2 / 2 pts

Exponential Backoff operates in multiples of how many bits?

Correct!

- ☒ 512
- ☐ 256
- ☐ 16
- ☐ 1024

Question 8**1 / 1 pts**

In MACA, what does a host think if it receives a CTS without first sending a RTS?

- ☐ Abort, there was a collision
- ☐ The communication successfully made it to the receiver
- ☒ The channel is busy
- ☐ The channel is idle

Correct!**Question 9****1 / 1 pts**

If a sender does not receive a CTS OR an ACK, the senders assumes collisions and enters Exponential Backoff mode.

- ☒ True
- ☐ False

Correct!

Question 10**1 / 1 pts**

In MACA, if a sender first sends a RTS, then receives a CTS, then sends the data, what should happen next?

☐

The sender should resend the data, because 2 copies are sent for redundancy and Error Detection.

☒

The Sender should receive an ACK

☐

The sender should enter exponential backoff and wait to receive an ACK

☐

Nothing, the communication was successfully delivered.

Correct!**Quiz Score: 10 out of 11**