

# Grade Book Detail

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## Quiz 2

Started: December 10, 2019, 7:11 pm

Last change: December 10, 2019, 7:27 pm

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**Q.** Consider building a CSMA/CD network running at 10 Mbps over a 1-km cable with no repeaters. The signal speed in the cable is 200,000 km/sec. What is the minimum frame size?

**A.** 100 \_\_\_\_\_ bits

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Question 1: 10 out of 10 in 1 attempt(s)

\_\_\_\_\_ work at the physical layer while \_\_\_\_\_ work at the data link layer.

- ☐ Hubs, routers
- ☒ Hubs, switches
- ☐ Bridges, routers
- ☐ Repeaters, hubs

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Question 2: 10 out of 10 in 1 attempt(s)

Which is not the CSMA / CA rule of 802.11?

- ☐ If station X received RTS of station A, X must remain silent for a short time
- ☒ If station X received RTS, but did not receive CTS, then X may not transmit its data.
- ☐ If station X has not received RTS, but received CTS, then X may not transmit its data
- ☐ If station X has received both RTS and CTS, then X may not transmit its data

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Question 3: 10 out of 10 in 1 attempt(s)

A network interface card mainly works at the \_\_\_\_\_ layer(s)

- ☒ physical and data link
- ☐ data link and network
- ☐ physical and network
- ☐ data link and transport

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Question 4: 10 out of 10 in 1 attempt(s)

After the sender first sends frames from 0 to 6 and at the end of timeout receives the acknowledgements for frame 1, 3, and 5, the next frame it will re-transmit is frame \_\_\_\_\_. (assume the protocol is go-back-n)

- ☐ 1
- ☐ 2
- ☐ 5
- ☒ 6

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Question 5: 10 out of 10 in 1 attempt(s)

Total: 50/50

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