Informal Quiz 3

True or False?

T  F

☐ ☐ The Nagle algorithm in TCP is intended to allow the ack and echo data to be combined.

☐ ☐ TCP is called “self-clocking” because the source sends a new packet into the network only upon receiving an ack.

☐ ☐ TCP by default uses a go-back-N retransmission policy

☐ ☐ A reason why fast-retransmit results in low throughput due to bursty drop is because it performs multiplicative decrease for each of the packets lost.

☐ ☐ TCP can control throughput & delay of a connection, and backs off during loss.

☐ ☐ The RFC 793 RTT estimator could only tolerate variances of upto 30%

☐ ☐ Anything slower than a multiplicative decrease and anything faster than a linear increase of congestion window can lead to instability.

☐ ☐ The slow-start exponential increase allows faster-than-linear increase and can work in general without congestion avoidance

☐ ☐ The persist timer is used by an ftp server to detect and close idle TCP connections

☐ ☐ Karn’s algorithm would be triggered often on a wireless or radio link.

☐ ☐ Delayed-acks are good for interactive traffic, but bad for bulk traffic.

Marks = Correct Answers _____ - Incorrect Answers _____ = _____
Informal Quiz 3

True or False?

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☑ √ The Nagle algorithm in TCP allows the ack and echo data to be combined.
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☑ √ A reason why fast-retransmit results in low throughput due to bursty drop is because it performs multiplicative decrease for each of the packets lost.
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