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|---|---|
| **Started on** | Wednesday, 1 May 2019, 3:46 PM |
| **State** | Finished |
| **Completed on** | Wednesday, 1 May 2019, 3:47 PM |
| **Time taken** | 1 min 43 secs |
| **Grade** | **10.00** out of 10.00 (**100**%) |

Question **1**

Correct

Mark 1.00 out of 1.00

During slow start, congestion window increases

Select one:

- a. linearly
- b. exponentially ✓
- c. logarithmically
- d. does not grow

Your answer is correct.

The correct answer is: exponentially

Question **2**

Correct

Mark 1.00 out of 1.00

Maximum segment size (MSS) refers to the number of bytes in a TCP segment including its header.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question **3**

Correct

Mark 1.00 out of 1.00

A TCP connection is using an MSS=1460 bytes. At the start of slow start, how many bytes the TCP sender can transmit without having to wait for ACK?

Select one:

- a. 1400
- b. 1460 ✓
- c. 1500
- d. 3000

Your answer is correct.

The correct answer is: 1460

Question **4**

Correct

Mark 1.00 out of 1.00

A TCP connection is using an MSS=500 bytes. Which of the following could be a realistic/valid value for the congestion window during its operation?

Select one:

- a. 1460
- b. 700
- c. 4000 ✓
- d. 4300

Your answer is correct.

The correct answer is: 4000

Question **5**

Correct

Mark 1.00 out of 1.00

If a TCP implementation decided to halve its congestion window when it received triple duplicate ACK, it was a Tahoe implementation.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question **6**

Correct

Mark 1.00 out of 1.00

If a TCP implementation decided to reduce its congestion window to 1 MSS when it received triple duplicate ACK, it was definitely a Tahoe implementation.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question **7**

Correct

Mark 1.00 out of 1.00

If a TCP implementation decided to reduce its congestion window to 1 MSS when it experienced a time out, it could be either a Tahoe or Reno (we cannot tell).

Select one:

- True ✓
- False

The correct answer is 'True'.

Question **8**

Correct

Mark 1.00 out of 1.00

A TCP Reno would halve its congestion window upon receiving a triple duplicate ACK.

Select one:

- True ✓
- False

The correct answer is 'True'.

Question **9**

Correct

Mark 1.00 out of 1.00

TCP sets a very large value for ssthresh each time it switches to slow start.

Select one:

- True
- False ✓

The correct answer is 'False'.

Question **10**

Correct

Mark 1.00 out of 1.00

A TCP sender could still reduce its window size even if there was no triple duplicate ACK or timeout.

Select one:

- (•) True ✓
- ( ) False

The correct answer is 'True'.