

Q.1

435

Q.2

Yes

Q.3

Whether it increases the timeout depends on the deviation.

Q.4

smoothedRTT: 100ms

devRTT: 8ms

sampleRTT: 108ms

new smoothRTT:  $(1 - 0.125) * 100 + 0.125 * 108 = 101\text{ms}$

new devRTT:  $(1 - 0.25) * 8 + 0.25 * (108 - 101) = 7.75\text{ms}$

timeout =  $101 + 4 * 7.75 = 132\text{ms}$

Q.5

Flow Control

Q.6

1.5RTT

Q.7

Per-byte sequence and ack numbers.

Q.8

True

Q.9

HTTP

TFTP

FTP

Q.10

0.8 seconds

Q.11

4 seconds

Q.12

40 pkts/s