Question 1 – 435

Question 2 – Yes

Question 3 – Whether it increases the timeout depends on the deviation

Question 4

SmoothedRTT = (1 – 0.125) \* 100 + (0.125 \* 108)

SmoothedRTT = 101

DevRTT = (1-b) \* DevRTTi-1 + b \* (SampleRTT - SmoothedRTT)

DevRTT = (1 – 0.25) \* 8 + 0.25 \* (108 – 101)

DevRTT = 7.75

Timeout Interval = 101 + (4\* 7.75) = 132ms

Question 5 – Flow Control

Question 6 – 1.5 RTT

Question 7 – Per-byte sequence and ack numbers

Question 8 – True

Question 9 – HTTP

Question 10 – 0.8 seconds (C)

Question 11 – 4 Seconds (C)

Question 12 – 40 Packets / second (B)