Answer Sheet

Write all your answers on this sheet of paper. Submit only this sheet of paper at the end of the examination.

Matriculation Number:

The tutorial group I regularly attend is: (please circle one)

A. Tue 0900	C. Tue 1100	E. Tue 1400	G. Wed 1400
B. Tue 1000	D. Tue 1300	F. Tue 1500	H. Wed 1500

(2 marks each. For Q6, C deserves 1 mark. For Q5, C deserves 2 marks, but will be added to your mark without marking on the paper)

1. $\boxed{E}$ 2. $\boxed{C}$ 3. $\boxed{B}$ 4. $\boxed{E}$ 5. $\boxed{A}$ 6. $\boxed{X}$

7. (a)

2 marks for any expression that simplifies to L/q - L/r.
1 mark for L/r - L/q

(b)

4 marks for any expression that simplifies to L/q.

8. (a) -1 for not including or using the wrong multiplier for each of:
   RTT_DNS + 2RTT1

   (b) -1 for not including or using the wrong multiplier for each of :
   RTT_DNS + 4RTT2 + 2L/R + T_rcv
   (Note: 2RTT_DNS is also acceptable)

   (c) -1 for not including or using the wrong multiplier for each of :
   RTT_DNS + 2RTT2 + 2L/R + T_rcv

9. (a)
   1 Mark for 5000

   (b)
   1 Mark for 0

   (c)
   1 Mark for retransmitting segment with seq 5000 after timeout
   1 Mark if the timer above starts after sending the first segment
   1 Mark for replying with ACK 6000
   1 Mark for indicating rwnd=1000 for the ACK above.
   1 Mark for sending segment with seq 6000 after receiving the
   ACK above, unless segment with seq 6000 has been sent earlier.