ITS323 - Quiz 7

Nam	e:	ID:	Marks: (10)
•	estion 1 [6 marks]		
	e the last 8 digits of your ID in 123456, then I would write 6 5 4 3		(E.g. if my ID is
Ā	bove is the IP address of your com	puter. Use it to answer the	following questions.
(a)	If your IP address has subnet mash for the subnet your computer is at		d broadcast address
(b)	Assume your computer is initially to an IP address with subnet mask a Now how many more IP devices c	255.255.224.0 is attached	to the same subnet.
(c)	Write an IP address that is a loop computer sends an IP datagram to	-	hat happens if your

Question 2 [4 marks]

Assume host A has established a TCP connection to host B. Host A chose initial sequence number of 679. No data has been sent yet.

- (a) Host A sends 500 Bytes of data in one segment to B. B responds with an acknowledgement, but with no data. What flags are set in the segment sent by B? [1 mark]
- (b) In part (a), what is the sequence number in the segment sent by A? [1 mark]
- (c) Host B sends 2000 Bytes of data in one segment to A. And then B sends another 2000 Bytes in a segment to A. A then acknowledges all data received by sending a single segment with ACK number 12345. What was the initial sequence number chosen by B? [2 marks]