ITS 323 – QUIZ 5 (CS SPECIAL) ANSWERS

First name: _____   Last name: _____

ID: _____   Total Marks: _____

out of 10

Question 1 [9 marks (1.5 each)]

True or False:

a) Distributed control for Medium Access Control protocols has the advantage of avoiding performance bottlenecks at a control node.   T / F

b) A sliding window mechanism is used for flow control in IP.

T / F

c) IEEE 802.3 Ethernet includes a Medium Access Control protocol.

T / F

d) The aim of a MAC protocol is to reduce the number of collisions in a LAN.

T / F

e) A switched LAN with 10 users can achieve 10 times greater performance than a hub-based LAN with 10 users.

T / F

f) When an Ethernet switch receives a packet, it looks at the Destination Address in the IP header and sends the packet to the computer with that address.

T / F

Answers
True
False
True
True
True
False

Question 2 [1 mark]

Fill in the word(s) to complete the following sentence:

If no other computer is transmitting, then your computer can transmit; otherwise, wait until the other computer is finished transmitting, and then your computer can transmit. This is an example of a _____-based medium access control scheme.

Answer
Contention or random