

ITS 323 – QUIZ 5 (IT)

First name: _____ Last name: _____

ID: _____

Total Marks: _____

out of 10

Question 1 [9 marks (1.5 each)]

True or False:

- a) The aim of Medium Access Control (MAC) in LANs is to ensure frames (or transmissions) do not collide with each other. T / F
- b) The IEEE 802 series of LAN standards focus on the Physical Layer and Data Link Layer of the OSI model. T / F
- c) Centralised control for Medium Access Control (MAC) has the advantage (compared to distributed control) that if the controlling station fails, the network can still operate. T / F
- d) The following hexadecimal address is an example of an Ethernet (or Hardware) address: 00:17:31:E5:22:89 T / F
- e) In the Internet Protocol, virtual circuit packet switching is used. T / F
- f) IP includes an ARQ (Automatic Repeat reQuest) retransmission scheme to perform error control. T / F

Question 2 [1 mark]

Which *two* of the following mechanisms are mechanisms for performing dynamic (that is, asynchronous) Medium Access Control (circle only two answers):

- a) Switching-based MAC
- b) Round-robin-based MAC
- c) Flooding-based MAC
- d) Contention-based MAC
- e) Ring-based MAC
- f) Bus-based MAC