

ITS 413 – QUIZ 1

First name: _____ Last name: _____

ID: _____

Total Marks: _____

out of 10

Question 1 [7 marks]

- a) Synchronous Digital Hierarchy (SDH) is common access network technology used by end-users to access the Internet. True False
- b) Asynchronous Transfer Mode (ATM) is an example of a circuit switching based core network technology. True False
- c) If data rate was the primary factor, you would choose X.25 (instead of Frame Relay or ATM) for a core network. True False
- d) Except for some of the very small number of remaining dial-up modems users, the Public Switched Telephone Network (PSTN) is no longer used for Internet access by end-users. True False
- e) IEEE 802.11 wireless LAN technologies can be used for LANs as well as an alternative to point-to-point wired WAN links. True False
- f) IEEE 802.15.4 (also referred to as ZigBee) is used for fixed point-to-point wireless links. True False
- g) GPRS is an example of 3G mobile telephone system. True False

Question 2 [1 mark]

Name two technologies that are commonly used for LANs.

Question 3 [1 mark]

Explain an advantage of ADSL (versus optical fibre).

Question 4 [1 mark]

Excluding cost, list three factors that are important when considering the design of wireless networks.