ITS323 – Quiz 1

Name: _____

ID: _____   Mark: _____ (out of 10)

Question 1 [7 marks]

In this question you must fill in the space by choosing a word/phrase from the following list. There may be more than one correct answer. 1 mark per correct answer.

| application | data link | hardware | ISP | LAN | logical | network |
| physical | port | protocol | standard | transport | WAN | |

a) The _____ layer in the TCP/IP protocol stack includes HTTP for web browsing.

b) In the Internet protocol architecture, the _____ layer includes the task of converting transmitted signals into bits.

c) The _____ layer includes the task of reliably delivery of data between application processes.

d) 80 is the default _____ address used by web servers.

e) 123.72.201.4 is an example of a _____ address.

f) The _____ layer is normally implemented in the operating system.

g) A _____ is normally used for communications with a building or campus, but not across a city.

Question 2 [3 marks]

Consider a simple 2-layer protocol architecture. The top layer adds a 20 Byte header to data from the user, while the bottom layer adds a 10 Byte header and 10 Byte trailer. No segmentation is used. If a user generates 160 Bytes of data to send via this protocol architecture, what is the efficiency of the user using the link?