

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
Operating System (OS) Network Interface Card (NIC)
National Internet Exchange (NIX) International Internet Gateway (IIG)

- a) In the TCP/IP protocol architecture the _____ layer provides end-to-end (or host-to-host) services.
- b) The Internet Protocol (IP) is part of the _____ layer.
- c) _____ addresses are used to identify a computer on a link.
- d) A communications _____ defines a protocol agreed upon by an organisation or set of companies.
- e) Thailand ISPs provide access to overseas ISPs via _____.
- f) The transport layer is normally implemented in the _____.
- g) Firefox and Internet Explorer normally implement protocols from the _____ layer.

Question 2 [3 marks]

Consider a simple 2-layer architecture. The top layer breaks data into segments containing no more than 100 Bytes of data, and adds a 10 Byte header to each segment. The bottom layer adds a 20 Byte header. How many bits are sent across the link if the user generates 1000 Bytes of data to be sent to the destination?