

# ITS323 – Quiz 1

Name: \_\_\_\_\_ ID: \_\_\_\_\_ Marks: \_\_\_\_\_ (10)

## Question 1 [4 marks]

Consider the TCP/IP protocol architecture.

- (a) One task in the Internet is for protocols to select the best path across a network. Which layer are these routing protocols most often a part of?
- (b) Which layer deals with transmitting light signals across an optical fibre?
- (c) Timeliness is important for real-time Internet applications, whereas \_\_\_\_\_ is more important for traditional data-based Internet applications?
- (d) In Thailand, local \_\_\_\_\_ are connected together via about 5 or 6 National Internet Exchanges.

## Question 2 [2 marks]

Consider a protocol architecture that introduces 200B of header for each 1,000B of data. Two computers using the protocol architecture communicate across a 60Mb/s link. What is the throughput? Assume no errors or other non-data packets are needed.

