

# ITS323 – Quiz 1

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

## Question 1 [4 marks]

Consider the TCP/IP protocol architecture.

- (a) Ethernet, used for wired LANs, includes a protocol for determining when a computer is allowed to send across a link or LAN, and fixing bit errors if any. Which layer is this protocol part of?
- (b) Apache is the name of commonly used web server software. The protocols used by Apache are in which layer?
- (c) A hardware address identifies a network interface card on a computer, whereas a \_\_\_\_\_ identifies an application on the computer.
- (d) An internet is comprised of LANs and \_\_\_\_\_ connected together by routers.

## Question 2 [2 marks]

Consider a protocol architecture that introduces 500B of header for each 1,000B of data. Two computers using the protocol architecture communicate across a 600kb/s link. What is the throughput? Assume no errors or other non-data packets are need.

