

ITS323 – Quiz 7

Name: _____ ID: _____ Marks: _____ (10)

Question 1 [6 marks]

The following questions are about host A with the *classful* IP address: 104.96.4.20

- (a) What is the class of the IP address? [2 marks]

- (b) Host B has the IP address 104.0.4.21. Is host B on the same subnet as host A? Explain your answer. [2 marks]

- (c) What is the single IP address that host C would send to in order to deliver data to all hosts on the same subnet as host A? Assume A and C are on different subnets [2 marks]

Question 2 [4 marks]

Answer the following questions about internetworking, nodes in an internet and the Internet Protocol by filling in the blank spaces or circling True or False where appropriate.

- (a) Three basic internetworking functions that IP includes are: multiplexing, addressing and _____ [2 marks]

- (b) The host portion of the IP address of a host in subnet A can be the same as that for another host in subnet B. True or False. [2 marks]