

ITS323 – Quiz 7

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

Question 1 [6 marks]

The following questions are about host A with the *classful* IP address: 194.200.64.32

- (a) What is the class of the IP address? [2 marks]
- (b) Host B has the IP address 194.200.32.4. 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) There are three types of switching: of these, IP uses _____ switching. [2 marks]
- (b) If an internetworking protocol uses fragmentation only at the source and re-assembly only at the destination, then an advantage is that maximum sized packets will be sent over all subnets in path. True or False. [2 marks]