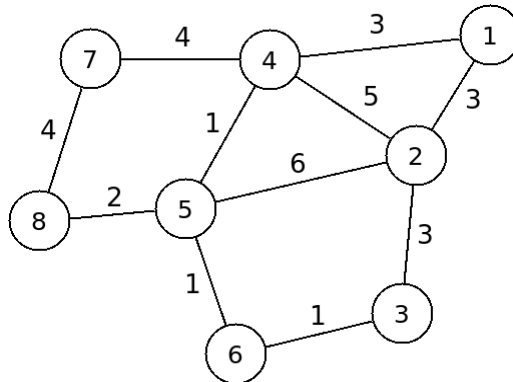# ITS323 – Quiz 6

Name: _____

ID: _____ Mark: _____ (out of 7)

Question 1 [4 marks]

The following diagram shows a network of nodes with the costs shown for each link (the costs are the same in both directions). Assuming least-cost routing, complete the routing table for node 6.

Node		
Destination	**Next Node**	**Cost**

Question 2 [1 mark]

a) What is an advantage of using a sequence number in flooding protocols?

Question 3 [2 marks]

a) Distributed control for Medium Access Control protocols has the advantage of avoiding performance bottlenecks at a central node. T / F

b) A contention-based MAC protocol allows stations to reserve time slots for transmissions in the future. T / F