

## ITS323 – Quiz 6

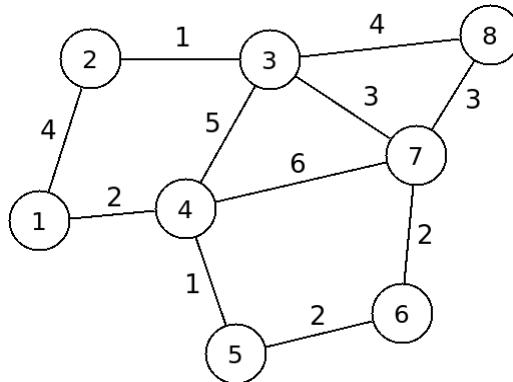
Name: \_\_\_\_\_

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 1.



Node		
Destination	Next Node	Cost

**Question 2** [1 mark]

- a) What is an advantage of using a hop count in flooding protocols?

**Question 3** [2 marks]

- a) One aim of Medium Access Control (MAC) in LANs is to ensure frames (or transmissions) do not collide with each other. T / F
- b) Distributed control for Medium Access Control protocols has the advantage of avoiding performance bottlenecks at a central node. T / F