## ITS323 – Quiz 5

Name:		ID:	Marks: (10)
Question 1	[1.5 each ma	rks]	
switching   datagram	packet switching selective flooding	Dijkstra's algorithm	from the following: circuit   frequency division multi- time division multiplexing
	then sending the		a connection from source to
		involves data from mu e time, but at different	ultiple users being transmit- frequencies.
	telephone networ		form of switching used in
Question 2	[1.5 marks]		

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Explain an advantage of using information from neighbour nodes (rather than local information only) when determining least-cost routes in a network.

## Question 3 [4 marks]

The following is a subset of the least-cost paths in a network, where the numbers represent nodes and the costs of links are identical in both directions. If each node has its own routing table, draw the routing table for node 7.

$$6-2-3-7$$
,  $1-7-5-4$ ,  $3-8-7$