SIIT ITS323

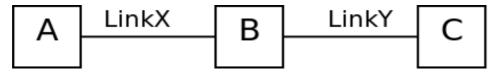
## ITS323 – Quiz 1

Name			
ID:		Mark:	(out of 10)
Email	address:	@ hotmail/gmail/othe	r (that you used on Mailist)
Quest	ion 1 [2 marks]		
a)	Draw the Internet protocol stack, giving the	e names of each layer.	[1 mark]
b)	For the following examples addresses, indi		_
	i. The 32-bit IP address 72.16.4.3		
	ii. www.google.com	Layer:	
Quest	<b>ion 2</b> [2 marks]		
500B	nd a 1.5KB file from A to B, the layers within of overhead. If the data rate of the link from hput achieved when sending the file?		
Quest	<b>ion 3</b> [3 marks]		
True o	or False – circle the most accurate answer:		
a)	An application may implement more than o	one protocol.	T F
b)	If the average delay of 10 messages is 20m	s, then the jitter is 2ms	T F
c)	With a point-to-point simplex link, the transthe same time.	smission of A can be r	eceived by both B and C at T F

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## **Question 4** [3 marks]

Consider the network below with source A sending a message to destination C. The message passes via B.



Calculate the delay for the message for conditions in the table below. Assume both processing delay and queuing delay for all devices is 0.

Message size	1500 Bytes	
Link X		
- Signal speed	2.50E+008 m/s	
- Data rate	24 Mb/s	
- Distance	25000 m	
Link X		
- Signal speed	2.50E+008 m/s	
- Data rate	12 Mb/s	
- Distance	25000 m	