SIIT ITS413

## ITS413 - Quiz 4

Name:					
ID:	Mark:		(out of	(out of 10)	
Quest	ion 1 [8 marks]				
True o	r false (circle the most accura	te answer for the statement):			
a)	In the Internet, congestion mainly occurs at TCP destination hosts.TRUE			FALSE	
b)	If an ACK is not received when expected, a TCP source assumes congestion is increasing it the network.  TRUE FALSE				
c)	TCP is a connection-oriented	TRUE	FALSE		
d)				eiving host is FALSE	
e)	The number of outstanding bytes a TCP source may have is limited window.			Congestion FALSE	
f)	If the buffer size of a router is infinite, then packet delay at the router will tend to infinity if if the total incoming data rate of its links is larger than the total outgoing data rate of its links. TRUE FALSE				
g)	TCP uses network-assisted congestion control. TRUE FALSE				
h)	For congestion control, TCP assumes the source sending rate is inversely proportional to the RTT. TRUE FALSE				
Quest	ion 2 [2 marks]				
	e descriptions in parts (a) to (v related. [½ mark for each]	d), select one from the 6 mechan	isms/parameters tl	hat is most	
	Additive Increase Slow Start Phase	Multiplicative Decrease Maximum Segment Size	Congestion V Advertised V		
<ul><li>a)</li><li>b)</li><li>c)</li><li>d)</li></ul>	Slow increase in sending rate Fast increase in sending rate Response when congestion in Limits the sending rate to av	s detected			