SIIT ITS413

ITS413 - Quiz 4

Name:					
ID:			Mark:	(out of 10)	
Questi	ion 1 [8 marks]				
True o	r false (circle the most accurate	te answer for th	e statement):		
a)	In the Internet, congestion m	ainly occurs at	routers.	TRUE	FALSE
b)	Increased congestion in the Internet leads to increased packet drops at routers. TRUE FALSE				
c)	TCP is a connection-less pro	tocol.		TRUE	FALSE
d)	Flow control involves limiting the sending rate of a TCP source so that the receiving application is not overflowed. TRUE FALSE				
e)	The number of outstanding bytes a TCP source may have is the minimum of the Advertised Window and Congestion Window. TRUE FALSE				
f)	If the buffer size of a router is finite, then packets will be dropped by the router if the total incoming data rate of its links is smaller than the total outgoing data rate of its links. TRUE FALSE				
g)	Network-assisted congestion control does not involve routers. TRUE FALSE				
h)	For congestion control, TCP assumes the source sending rate is proportional to the Congestion Window size. TRUE FALSE				
Question 2 [2 marks]					
For the descriptions in parts (a) to (d) , select one from the 6 mechanisms/parameters that is most closely related. [$\frac{1}{2}$ mark for each]					
	Slow Start Phase Additive Increase	Maximum Seg Multiplicative		Advertised Congestion	
a)b)c)d)	Fast increase in sending rate Slow increase in sending rate Response when congestion is Limits the sending rate to ave	s detected			