ITS323 - Quiz 4

Nam	e:		ID:		Marks:	(10)
Question 1		[2 marks]				
(a)	All links comir. True or False.	ng into a circuit s	witch must use	the same tec	chnology and	speed.
(b)		ng requires special and destination b	- , -	•	0 /	
Qu	estion 2	[4 marks]				
(a)	When an error is detected by the source computer, explain the difference between the operation of selective reject ARQ and go-back-N ARQ. [2 marks]					
(b)	Explain an adv marks]	vantage of selective	e reject ARQ (compared to	go-back-N A	RQ). [2

Question 3 [4 marks]

Consider a link with a one way propagation delay of 15ms. Each data frame has a transmission time of 20ms, while the acknowledgement transmission time is 1ms. Assume other processing and queuing delays are 0. If the source computer starts its timer after completing the transmission of the data frame, what is the minimum timeout interval that a source computer should use if stop-and-wait ARQ is applied across the link?