Naam & Van Name & Sürname	Ruben	VOIN	der		Merwe		AC SINGLE OF	
Studentenommer	2	G	9	7	8	7	(7

CMPG315: Klastoets 2 / Class Test 2

2.1. Bespreek die skepping van rame in die dataskakeling laag in detail. Baseer u techniques that can be used. bespreking op twee verskillende tegnieke wat

Discuss the creation of frames in the Data-link layer in detail. Base your discussion on two (4)

Tegniek / Technique

gebruik kan word

Bespreking / Discussion

Byte Count	When using byle count to create						
	frames, the size of rach frame is set exactly the same before hard.						
lag Bits with Bit Stuffing	When using flag bits with bit stuffing,						
	When using flag bits with bit stuffing, an additional bit is added to the dota to indicate the start of each frame						

Discuss the "Selective repeat" protocol (4). Also 2.2. Bespreek die "Selective repeat" protokol (4). mention its advantages (1) and disadvantages Noem ook die voordele (1) en nadele (1) (1). daarvan. COV

Protokol / Protocol	Beskrywing / Description
	A o-persistant protocol keeps sensing if a channel is idle before it sends a
0 - persistant	Franc.
1- persistant	A 1-persistant protocol waits a random time between sensing if a channel is idle.
	A p-persistant protocol waits until it is in avalid time slot, and calculates the
	propability of successfully sending a frame before it sends a frame. In which OSI levels do each of the network devices in the table below function? (2) Laag / Layer
Switch	Data-link laurer
Hub	Physical layer
beste werk? Gee di antwoorde: Vinnige Ethernet, 95m afst	r die volgende situasies die e name en motiveer jou situations? Provide the names and motivate your answers: and, koste is nie relevant nie: / Fast Ethernet, 95m distance, cost is no issue: (2)
Coatiol b	ecause (wisted pair would not be , and fibre would be I wasted at
sach a sho	rt distance >

2.3. Gebruik 'n vloeidiagram om 'n simpleks stopen-wag protokol vir 'n perfekte kanaal sonder ruis te beskryf. Use a flow diagram to describe a simplex stopand-wait protocol for a perfect channel without noise. (10)



