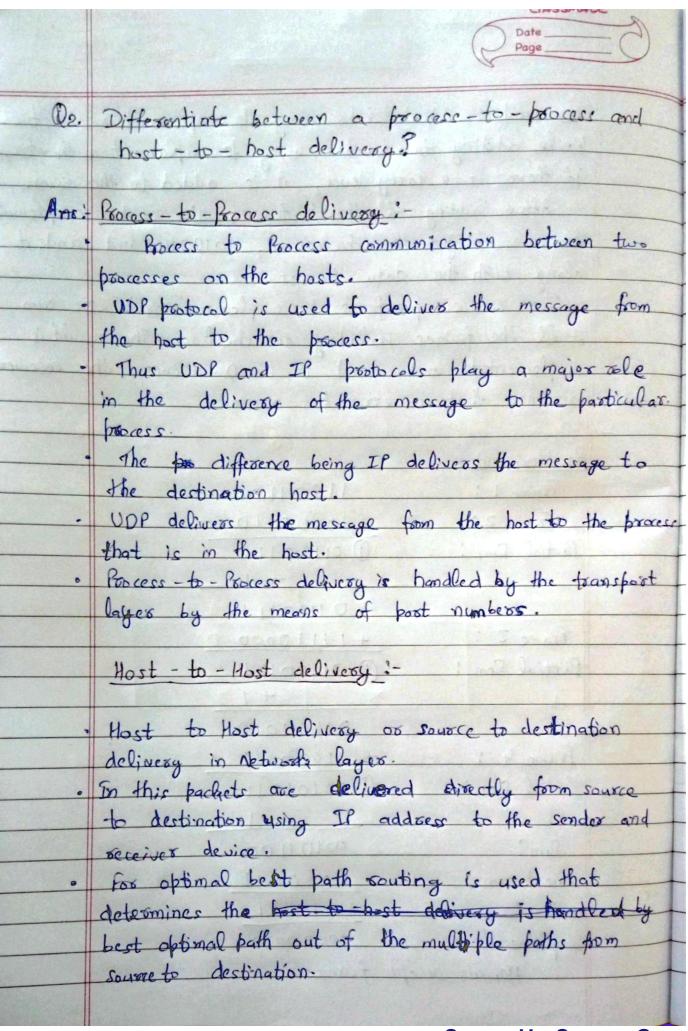
classmate EN ASSIGNMENT -2 Page 08/04/22 Sahil Kanndal 218058197 Q1. Suppose that the sender wants to send 4 frames each of 8 hits, where the frames are 11001100, 10801010', 11110000 and 11000011. Check error esing error detection checksum method. Sender's End Ans. Frame 1: 11001100 Frame 2: + 10101010 0 01110 110 Botial sum +11110000 Frame 3: DO1100111 Partial Sum 01101000 Frame 4: + 11000011 + Robial Sym. (D) 001010 11 00101100 checkan 11010011 ATTITITE . 6 0000000 Home, arrespect frames.

	Page
	The sender add the bits using Is complement arithmetic.
	While adding two numbers using is complement withmetic,
	if there is a carry over, it is added to the sum.
	After adding all the 4 trames, the sender complement
	the sum to get the checksum, 11010011, and sends it
	along with the data frames.
	The receiver performs is complement withmetic sum
	of all the frames including the checksum. The result is
,1	complemented and found to be O. Hence, the occeives
00.41	assumes that no error has occurred:
3 30	
	Received and
	Frame 1: 11001100
	Frame 2: +10101010
	Partial Sun: 001110110
	the particular of the second o
	01110111
0	Frame 3: +11110000
	Partial Sum: (1) 01100111
	+1
	01101000
	Riotial Sum: (D 0010101)
	Sum: 00101100
	Checksum: 11010011
	Sun: 11111111
	Conflament 00000000
24500	Mence, accept frames.
	merce, may provide the second



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	Host to Host delivery is handled by the network layer by means of IP address.
-	Host - to - Host communication is the one which takes
	Host - to - Host communication is the one which takes place between one host and the other host (computer)
10 N	IP protocal is used.
1	