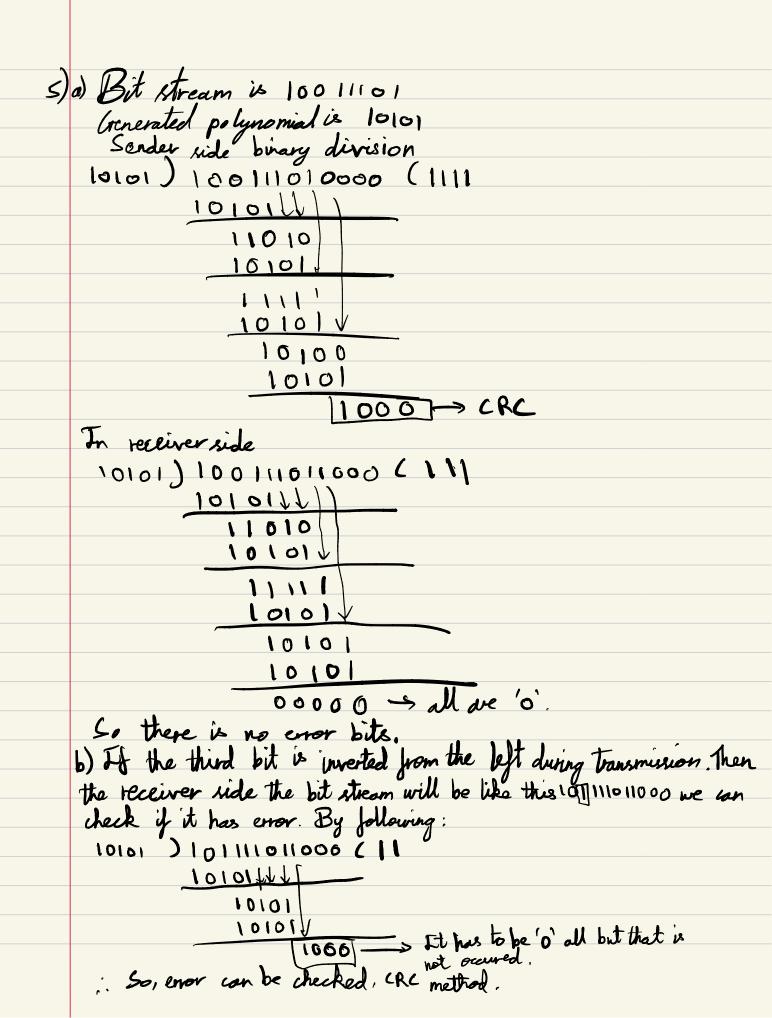
Assignment #2 Norme: Alan Palayil ) The output after steefing: AB ESC ESC C ESC ESC FLAG ESC FLAG D 2) The maximum overhead is byte-stuffing algorithm is 2n. (where n is the number of bytes in the payload). 3) The data after de-stuffing: 0110 0111 1101 1110 1111 11 A) 16=m L=2 -1-v : v=5. Check bits are needed at positions PI is the parity but for all bits in positions with a 2 term (3,5,7,9,11,13,15,17,1981) PI > (1110101111). PI=0. P2 is the parity bit for all bits in positions with a 2 term (3,6,7,10,11,14,15,18,19) P2= (101010101) . P2=1 P3 is the parity bit for all bits in positions with a 2 term (5,6,7, 12,13,14,15,20,21) P3 => (101100101). P3=1 PA is the parity bit for all bits in positions with a 2 term (9,10,11,12,13,14,15) P4 => (0011001). P4=1 PS is the parity bit for all bits in positions with a 2" term (17, 18, 19, 20, 21) PS = (10101). PS=1 The bit pattern transmitted for the message is 011110110011001110101.

ID: A20447935

Data Link Layer





Round trip delay = 250 meec ... Window eize = 4696 bits = 16.384 × 10 bps 250 meec

Window lize 7 = 16.384×103×7 = 114688 Lps Window lize 9 & greater: 16.384×10×9=147456 kps but maximum capacity is 128 Kbps to for windows 15&127 its 128 Kbps.

