Sapla Sai Ram K 2018/CSE0621 07/01/21 Part - C. Dataword = 1010011110 Divisor = 10111 100/00000 10111 10100 111100000 100000 00000 10001 10111 01100 00000 10111 10111 10010 Final code word = 10100111101010

20181CSE0621

20181 CSE0621 Sally Error at bit 7 Sender's side = 10100111101010 Eers at bit 7. In this case the I we have I at bit 7. Lets make it O. 10100101101010 Proceeding we get 1004100101 10111 10100101100000 101111 01111 00000 11110 10111 10011 10111 01001 0 1 10010 10111 01010 0 10100 1011 0011 0 1. 11100 10111 1011 ". Codeword = 1010010110[1011] -> not expected. As we can see that CRC obtained = 1011 * which isn't the same as sender's CRC = 10/0 it leads to an error.