

Assignment 3 ICT 2156 Principles of Data Communication 10-09-2020

Instruction:

1. Mention following details in your assignment sheet: Name, Roll No and Reg No.
2. Sign on your assignment sheet.
3. Upload scanned assignment sheet with your registration number as a filename.
4. Upload only one file and click on turn in.

1. A data $D(X) = X^{11} + X^9 + X^6 + X^5 + X^4 + X^3 + X + 1$ is to be transmitted and the given pattern is. $P(X) = X^5 + X^4 + X^3 + X^2 + X + 1$. What is the transmitted message? The receiver receives the message with an error in the 7th bit from the MSB of the received message, detect that there is an error using modulo 2 arithmetic. [3M]
2. What are some major limitations of twisted pair wires? [2M]