

Assignment 2 ICT 2156 Principles of Data Communication 27-08-2020

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.
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1. Generate signal for the given sequence 0000000000011000000000 using following encoding techniques:
HDB3 (2 M)
B8ZS (1 M)
Assume odd number of 1s since the last substitution and the polarity of the preceding pulse be positive.
 2. Consider a scenario to sending digital data at the rate of 4Mbps using MFSK modulation technique with a carrier frequency 20MHz. If each frequency represents 2 bits, find the different frequencies used to transmit the signal. (2M)