

1st internal Test (Repeat) of MSc CS/IT 2022

Paper: Data Communication and Computer Networks

Semester: 2nd

Marks: 30

Time: 1hr

1. Briefly explain different types of computer networks. 5
2. Suppose we have to send the message 1010110 from source A to the destination B. Both A and B are agreed upon a generator polynomial x^3+1 . What will be the actual message which is being transmitted using CRC method? 5
3. Briefly explain the regions of sending and receiving window of Go-Back-N Automatic Repeat Request protocol. 5
4. Briefly explain the criteria to measure the performance of a network? 4
5. What is framing? 4
6. Convert the data 110111010001 into digital signal using the following method- 4
 - a) Unipolar encoding
 - b) NRZ-I
7. Write the difference between Go-back-N and Selective repeat protocol. 3

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