

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY MANIPUR

2nd Assessment, September-2023

B.Tech Fifth Semester-CSE

Course Name: Data Communication and Internet Protocol

Course Code: CS-303

Date: 26/09/2023

Time: 08.00 am – 09.00 am

Duration: 1 Hour

Max. Marks: 25

Part A

(Short Answer Type Questions)

1. What is the disadvantage of asynchronous transmission? [2]
2. Describe stop-and-wait flow control. [2]
3. Explain the CRC technique for error detection. [2]
4. Describe the three HDLC transfer modes. [2]
5. Briefly explain the Delta Modulation technique. [2]

Part B

(Long Answer Type Questions)

6. Explain Pulse Code Modulation with proper diagram. [5]
- 7a. Explain the sliding window flow control with proper diagram. [5]
- OR
- 7b. Explain asynchronous transmission and synchronous transmission. [5]
- 8a. Explain the Go Back N ARQ with proper diagram. [5]
- OR
- 8b. Explain the Selective Reject ARQ with proper diagram. [5]