CN LAB PROGRAMS (10ISL67)

PART A

Sl NO.	Concept	Problem Statement
1.	Framing	Design a C program in which sender module should count the no of bytes in the frame and receiver module should display each frame received
2.		Design a C Program to implement Bit stuffing concept in data link layer.
3.	Error control	Design and implement CRC error detection method used in data link layer.
4.		Design a C program to implement Hamming code generation to error detection and correction.
5.	Socket Programming	Design a C program to implement Client server model (TCP) using socket programming.
6.		Design a C program to implement Client server model (UDP) using socket programming.
7.	Routing Algorithm	Design and implement a C program to route the packet in a network using Link State Algorithm.
8.		Design and implement a C program to route the packet in a network using Distance Vector Algorithm.
9.	Congestion control	Design a C program for congestion control using leaky bucket algorithm.

PART - B	
1.	Create UDP echo client & server Application on P2P connection.
2.	Create UDP client & server application on CSMA connection.
3.	Create UDP echo client & server application on combination of P2P & CSMA Connection.
4.	Create TCP Source & sink Application on P2p connection.