



SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR-03

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NETWORK PROGRAMMING LAB (7CSL01)

Program No:		Date:		
Student Name:		USN:	Batch No:	
Evaluation:				
Observation writing and File maintenance (10 Marks)	Clarity in concepts (05 Marks)	Implementation and execution of the program (10 Marks)	Viva (10 Marks)	Total (35 Marks)
Sl.No	Name of the Faculty In-Charge			Signature
1.				
2.				

Question No. 2

Write a program to divide the message into variable length frames and sort them and display the message at the receiving side.

Pre-requisite

Algorithm/Logic of the program:

1. Read a message to be sent
2. Read the length of the frame
3. shuffle the frames
4. sort the frame

Algorithm for shuffling (Fisher yates algorithm):

1. for i = n-1 downto 1 do
 - a. j = rand() % (i+1)
 - b. swap frame[i] and frame[j]