

Name :- Deepanshu Singh Rawat
course :- MCA-2C
Subject :- Computer networks
Student id :- 20711192

1) Problem Statement :- There is an organization A with multiple departments. Design a network for the HR department and the size of the department is 10 users, also show the communication between user no. 1 and user number 5 of the network.

Objective :- To create a lan with 10 users.

Steps :-

- Step 1 - Create a lan using switch with 10 pcs
- Step 2 - Configure the ip address of all 10 users.
- Step 3 - Use ping command to check the communication
- Step 4 - Sending messages to check the connection is established.



Name :- Deepanshu Singh Rawat

Course :- MCA-2C

Subject :- Computer networks

Student id :- 20711192

Que 2)

Problem Statement :- There are two organizations in a city named GEU and GEHU. design a network between the SOC department of GEU and GEHU. Also, show the communication between user number 1 of GEU and user number 2 of GEHU.

Objective :- creating two lan's with 4 pcs each, connecting both of them with the router and checking the establishment of the connection.

Steps :-

Step 1 - Create lan 1 with 4 PC

Step 2 - Create lan 2 with another 4 PC

Step 3 - Connect both lan 1 and lan 2 with router and configure the router.

Step 4 - Default gateway for lan 1 is 10.0.0.5
Default gateway for lan 2 is 192.168.1.5

Step 5 - Sending message to check if connection is established.



