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Course – M.C.A

Subject Name – Computer Networks

Section – B

Subject code – PMC-203

1) <u>Problem statement</u> – Design a network for the HR department and size of the department is 10 user. Show communication b/w No.1 & No.5.

<u>Objective</u> – The objective is to establish connection between the two organization with the help of wires & networking devices.
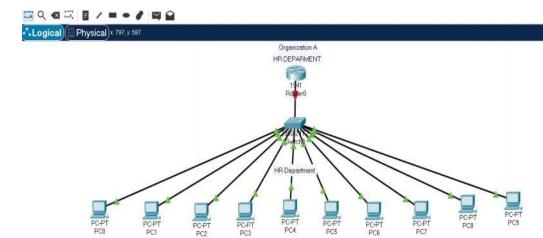
<u>Steps</u> :-

1) Place Organization A, HR department & user 1 to user 10.

2) Add router & switch & connect them with cables

3) Add 10 PC's, PC0 to PC9 & connect them to switch

4) Assign IP address to them

5) Now ~~Connect~~ establish Connection between 2 users asig
by Pinging ~~each~~ other system IP

6) Then Connection is successfull done & we can communicate between user 1 & user 5.

Snapshot

Organization A
HR DEPARMENT

1941
Router0

HR Department

PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7
PC-PT
PC8
PC-PT
PC9

user 1   user 2   user 3   user 4   user 5   user 6   user 7   user 8   user 9   user 10

Organization A
HR DEPARMENT

1941
Router0

Switch0

HR Department

PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7
PC-PT
PC8
PC-PT
PC9

user 1   user 2   user 3   user 4   user 5   user 6   user 7   user 8   user 9   user 10