Institute of Computer Technology

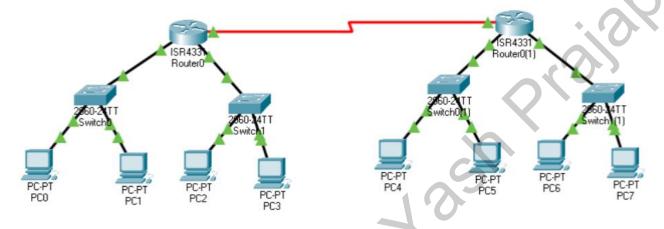
B. Tech Computer Science and Engineering

Subject: Basics of Communication Systems (2CSE202)

PRACTICAL-EXAM

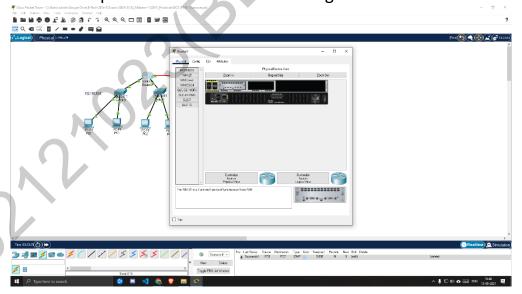
Aim:

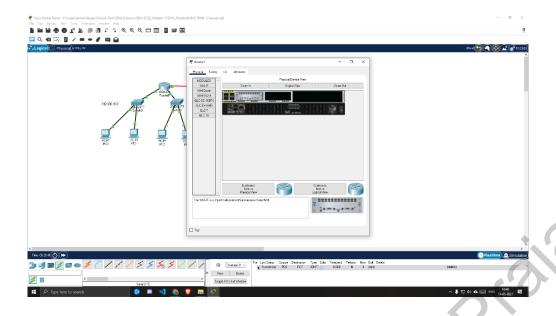
Create a networks as shown below and send packet successfully from PC0 to PC7 $\,$



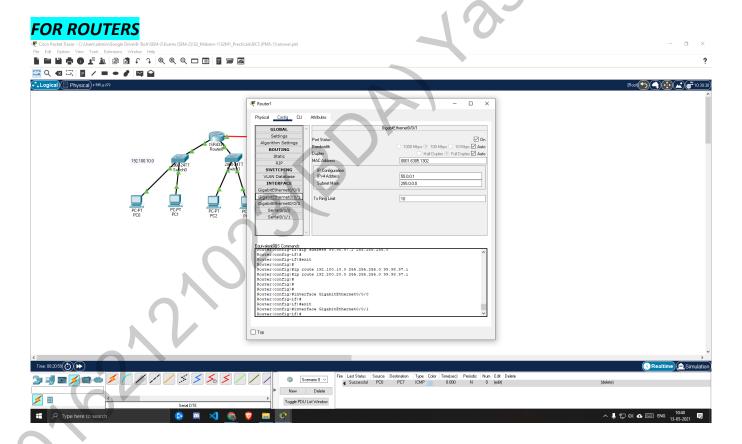
SOLUTION:

- Step 1: Create the given network with the help of Routers, Switches and PCs.
- Step 2: Router does not have enough ports to connect to other router, so we need to add extension ports to both the routers using "NIM-2T".

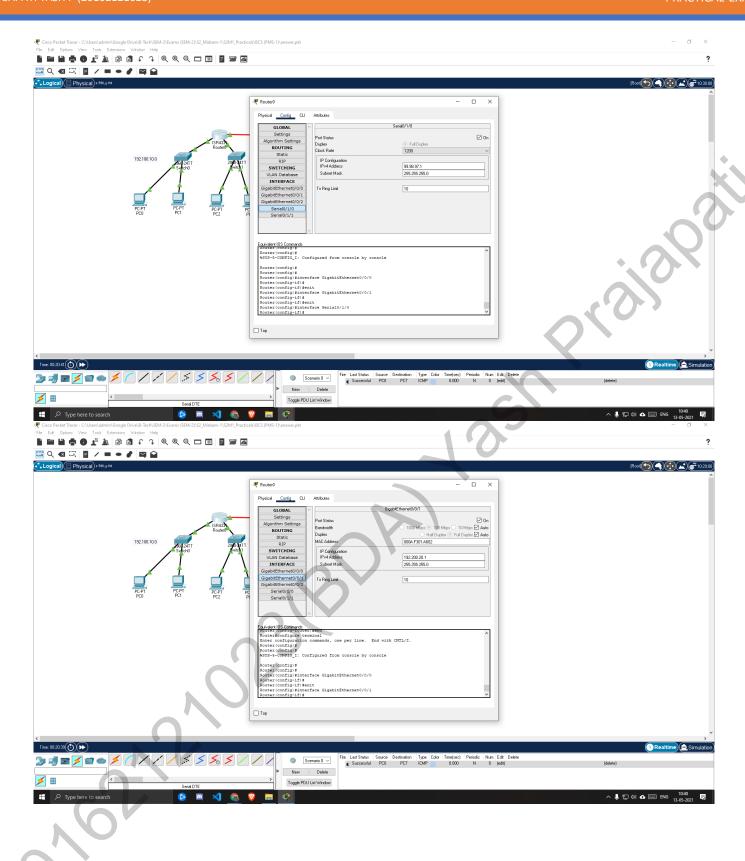


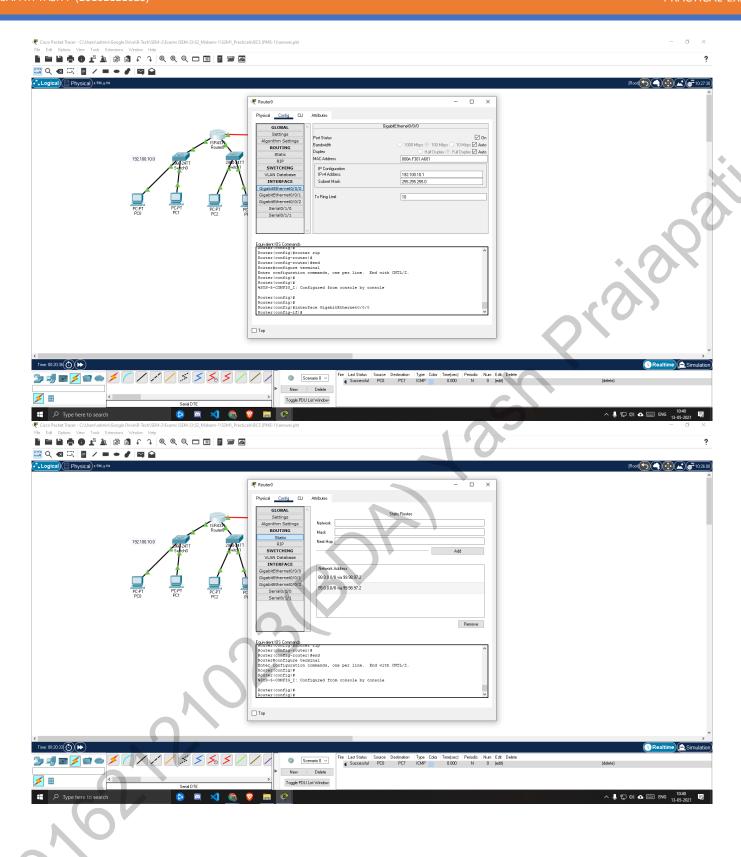


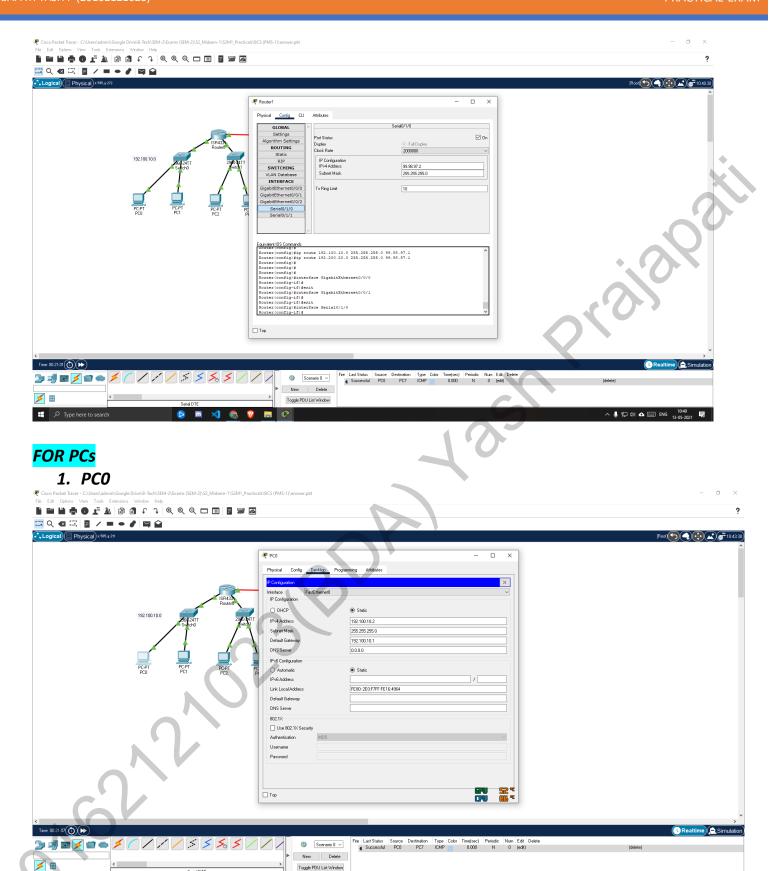
- Step 3: Connect all the devices with appropriate cables and turn ON the ports on both the routers.
- Step 4: Configure the ROUTERS and PCs according to the following: -





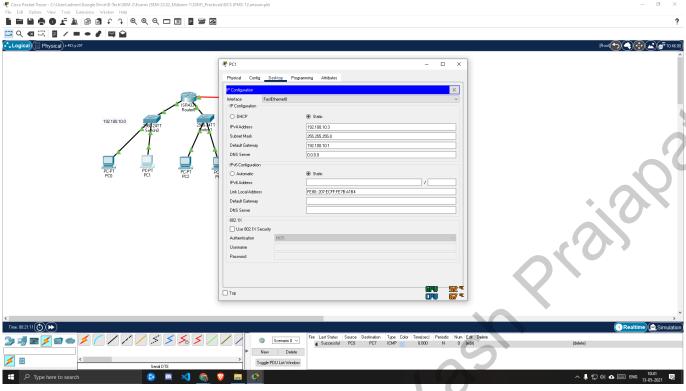




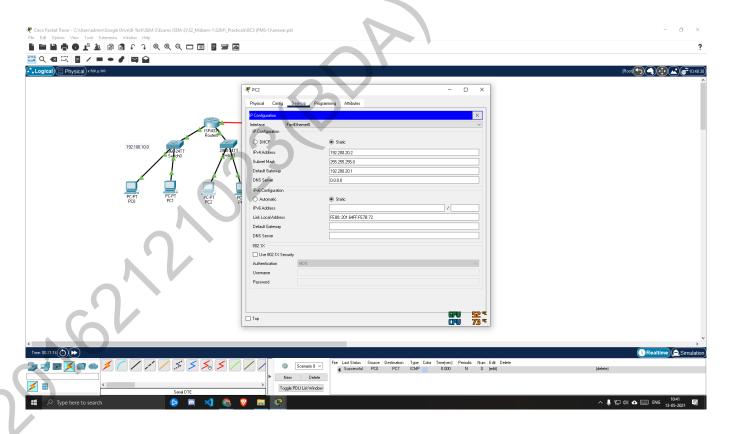


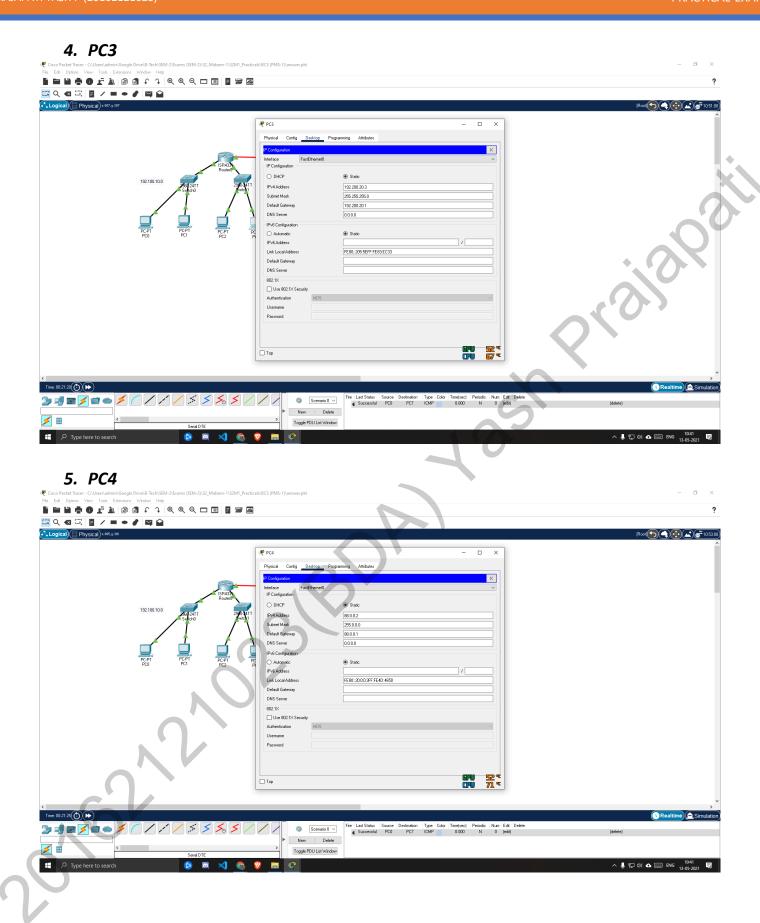
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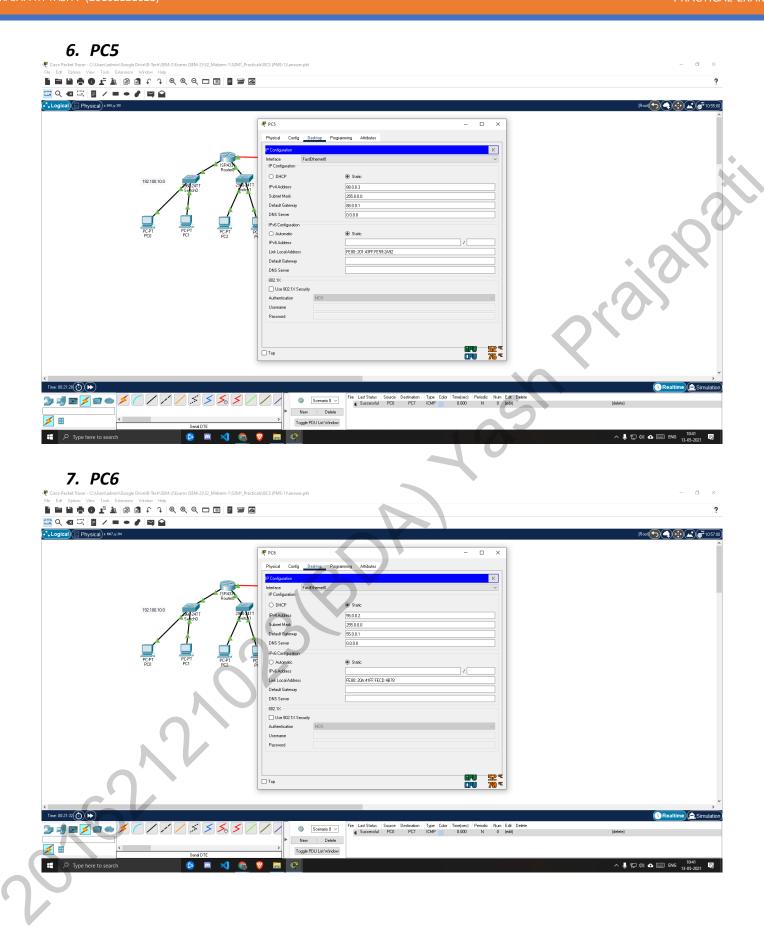
2. PC1

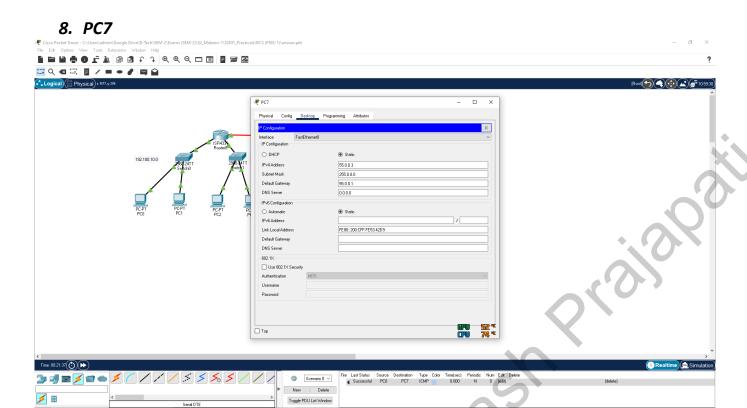


3. PC2

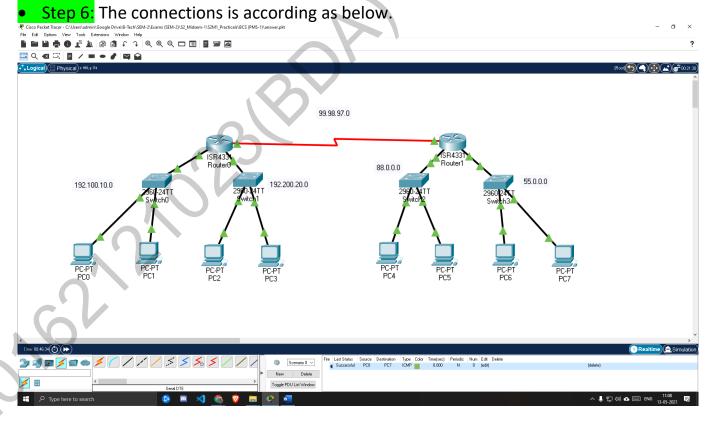








Step 5: Now as the connections are done, all PCs are connected to each other.



Step 7: Now according to question, we have to send packet from PC0 to PC7.



CONCLUSION:

Hence by doing this practical we conclude the study and designing of computer network according to question.