# Experiment No. 5

Aim: Build a simple network topology and configure it For static routing protocol using packed traces. Setup a network and configure it for IP addressing, subnerling, masking.

Theory:

- CISCO Packet Tracer as the name suggests. is a tool built by CISCO. This tool provides a networks simulation to practice simple and
  - . The main purpose of CISCO packet tracer is to help statents learn the principles of networking with hands on experience as well as develop CISCO technology specific hakills.
- · WORKSPACE For CISCO Packet Tracer
  - 1. Logical Sur die minnebai
  - 7 The logical workspace shows the logical network topology that is built by the user.

clustering of virtual network devices.

- 2. Physical

  To the physical workspace, we can see the physical implementation of the logical networks.



It also shows how the network devices such as switches, nouters and hosts are connected · Features of CISCO Packet Tracer. 2) CISCO packet traces supports the multiuser system that allows any user to connect in different depologies accross different computer networks. By using this, the deocher assigns different dasks to 2) We can also remove the capabilities of the CISCO packet traces with the help of an API . This Feature is also provided by the CISCO packet tracer. We can also remove the special feature. like accesebility, gaming, assement delivery and interaction with the real-world from
the CISCO parket tracer. 3) He can also simulate the configuration related to souters, and this can be accessed anywher.

4) We can access this configuration with unlimited devices. 5) It also provides & self-placed and

interactive environment.



6) The enhanced physical mode transports

you to a virtual lab where you can
simulate calling devices on a rock. Refresh

key skills such as device placement condevice power switching, device port-to-port

cabling 1 troubleshoot, and more.

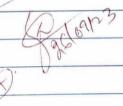
4) The network controller allows you a

centralized dashboard to see the network's

state, instantly discover and diagnose
issue and push configuration changes to

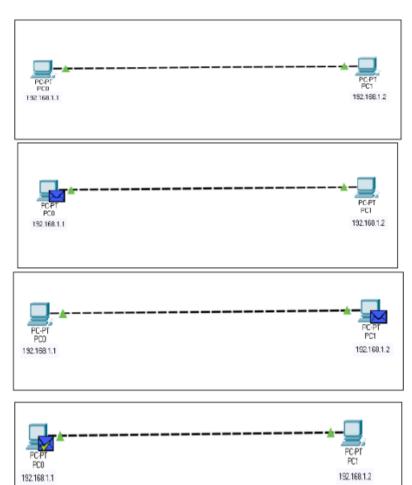
all managed devices at once; whethereous

use its Web Gust or its APTs.



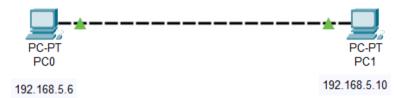
## Output:

#### PC to PC



#### logical)....

#### Connection Between Two End Devices



### Connection Using Switch

