

Ex: no: 10

Date: 16.10.24

## Practical - 10 .

Aim: - a)

Internetworking with routers in Cisco Packet Tracer simulator.

b.) Design & configure an internetwork using wireless routers DHCP server & internet

Student observation ::

1. Write down key features of configuring wireless router and DHCP server
  - Access the router's configuration page
  - Enter admin router username & password
  - Enable DHCP server
  - Configure DNS servers.
2. Significance of DHCP server in internetworking
  - Automated IP address allocation.
  - No duplicate IP addresses
  - supports large-scale networks.
3. design & configure inter network using switch routers, cables. Also show ip address of each device.

## b.) Procedure

1. Arrange the PC & laptop in the page
2. Assign IP address

Server - 10.0.0.1

PC0 - Desktop - DHCP ⊙

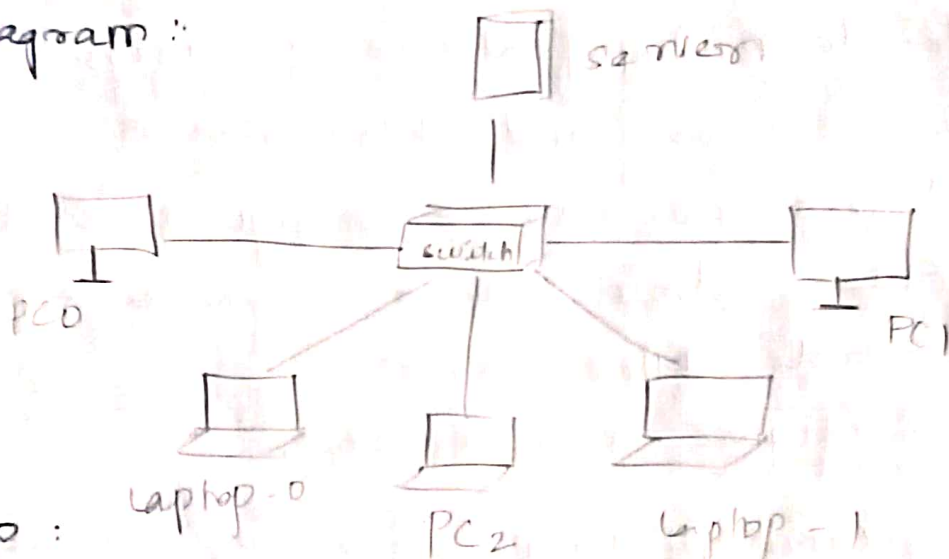
Laptop 0 - Desktop - DHCP ⊙

PC1 - Desktop - DHCP ⊙

Laptop 1 - Desktop - DHCP ⊙

PC2 - Desktop - DHCP ⊙

Diagram :



O/P : Laptop 0      PC2      Laptop 1

Ping Laptop 0 to PC2

Event test

vis	Time (sec)	Last device
	0.000	--
	0.001	Laptop 0
	0.002	switch 0
	0.003	PC2
Visible	0.004	switch 0
	0.994	--

Result :

Thus the configuration DHCP has been successfully executed and the O/P is verified