

DATE: 29/10/2024

ROUTER

AIM
To design and configure an internal network using wireless router DHCP server & internet cloud

PROCEDURE

1) Arrange the PC laptop in the page

2) Assign IP address

Server = 10.0.0.1

↳ server → DHCP → default gateway 10.0.0.1

→ service on

PC0

- Desktop - DHCP ☉

Laptop 0

- Desktop - DHCP ☉

PC1

- Desktop - DHCP ☉

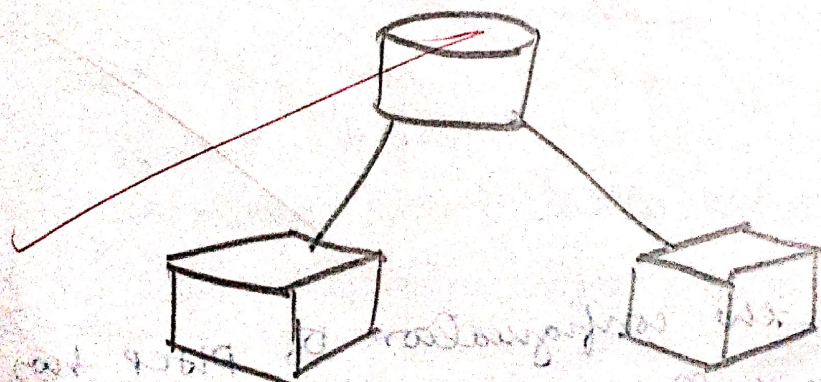
Laptop 1

- Desktop - DHCP ☉

PC2

- Desktop - DHCP ☉

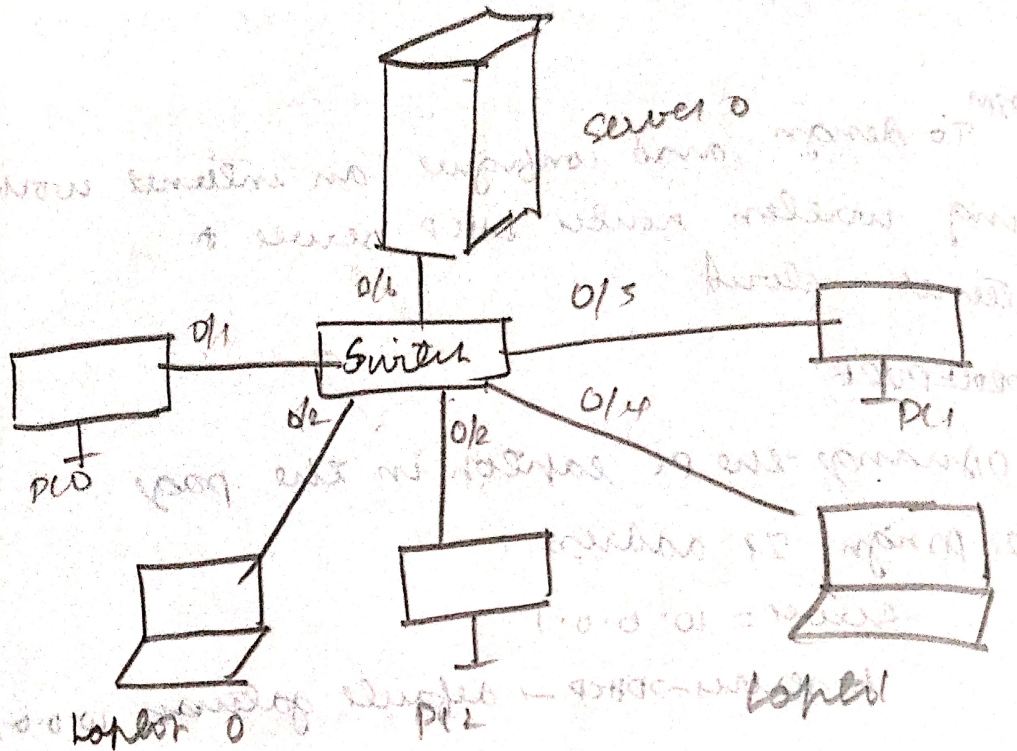
Now ping from PCs to server



192.168.10.2
255.255.255.0
192.168.10.1

192.168.20.2
255.255.255.0
192.168.20.2

DIAGRAM



OUTPUT

ping laptop0 to PC2

Event list

V-S	Time (sec)	Host device
	0.000	-
	0.001	laptop0
	0.002	switch0
	0.003	PC2
	0.004	switch0
	0.004	-

write

RESULT

Thus the configuration of device has been successfully executed.