

Ex-8b) Configuration of
date: 9/9/24 Wireless LAN

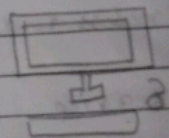
Aim: Configuration of wireless LAN
using Cisco Packet Tracer.

Perform following configuration:

- Configure static IP on PC & Wireless Router.
- Set SSID to MotherNetwork
- Set IP address of router to 192.168.0.1, PC0 to 192.168.0.2, PC1 - 192.168.0.3, PC2 - 192.168.0.4.
- Secure your network by configuration WAP key on router
- Connect PC by using WAP key.

Design:

PC0
PC-PT



Simulation

vis.

output par

File Last s

@ Success

Simulation of
Wireless LAN

of Wireless LAN
Tracer.

Configuration:

Static IP on PC &

Mother Network
address of router to

192.168.0.2,

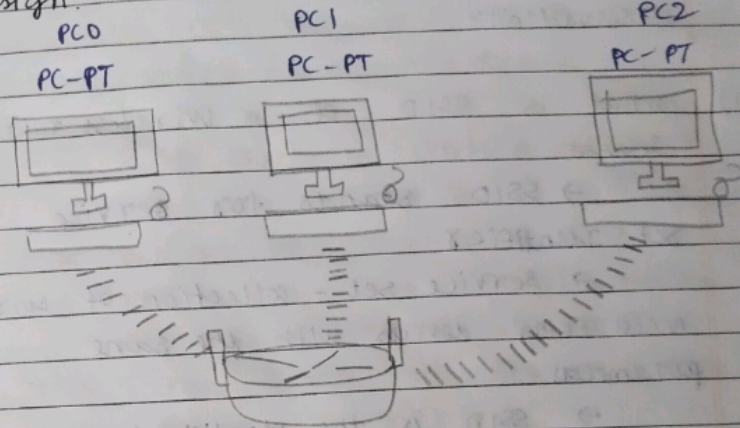
PC2 - 192.168.0.4.

network by

key on router

by using WAP key.

Design:



Linksys - WRT300N
Wireless Router

Simulation panel:

Vis.	Time	Last Device
	0-004	wire Router()
	0-009	PC0
	0-011	PC2.

output panel

File	Last status	Source	Destination	Type
	Successful	PC0	PC2	ICMP

Observation:

1) What is SSID of a wireless router?

→ SSID stands for service set identifier.

→ Service set - collection of wireless networking devices with the same parameters.

→ SSID is the identifier (name) that tells you which service set (or network) to join.

In our 8 b) experiment, motherboard network is the SSID.

2) What is security key in wireless router?

→ Security key is known as wireless network password.

→ Password that we use to join connect to a wireless network.

[We set security passkey: 0123456789
[10 digit number] for our motherboard
wireless network].

of a wireless router?

ands for service

st - collection of wireless
with the same

the identifier (name)
which service set
join.

experiment,
is the SSID.

key in wireless

is known as
word.

at we use to
wireless network.

passkey: 0123456789
for our motherboard

3. configure simple wireless LAN in your
lab using real access point & write down
the configuration in your notebook.

PC: [Do the same with different IP add. for

1) First Insert WMP-300N in the ^{all PC} CPU

2) turn on the computer.

3) Go to Desktop → IP configuration →

assign a IP address 192.168.0.2 &

default gateway with IP address router

[i.e. 192.168.0.1] ^{PC}

4) go to wireless, in the connect,
click on the motherboard network & connect.

5) Enter the passkey ~~we~~ we set on
the router. [0123456789]

6) click connect.

7) In the link information, we can
check whether the connection is
made correctly.

wireless Router:

1) In the GUI, go to wireless.

2) Set the SSID as MotherBoard
& save.

3) Go to wireless security &
enter a pass key which we later use to
connect PC with router.

4) ~~Save settings~~

Result.

The configuration of wireless lan is
successfully observed & the output is verified.