Exp No - 8b

Wireless LAN

AIM

→ To Configure Wireless LAN using
Cisco packet tracer

Procedure

1. Creak network 3PCs & a
   Wireless Router

2. Rightclick on the wireless router
   Note the IP adress. It would be

   192.168.0.1
   → Disable the DHCP server
   → Save settings

3) Click on wireless on the same page
   → Change Network name to

        *MYHome Network

   → Save setting

   → ~~Wireless~~ Click on wireless security
   under wireless & chang security
   mode to WEP from disabled
   → Add key1 : 0123456789
   → savesettings
   → then close the window

4. Now assign IP to the PCs

    PC0 = 192.168.0.5
   → gateway - 192.168.0.1
    PC1 - 192.168.0.6
      gateway - 192.168.0.1
    PC2 - 192.168.0.7
      gateway - 192.168.0.1

5. Now click on PC0
    → click physical option
    → Turn off that _____
    → Drag the port in the diagram
    - to the left menu
    → Drag the 'WMP300N' to the
    port from the left
    → Turn on that
    → Now click on desktop → PC wireless
    → click connect → Site information →
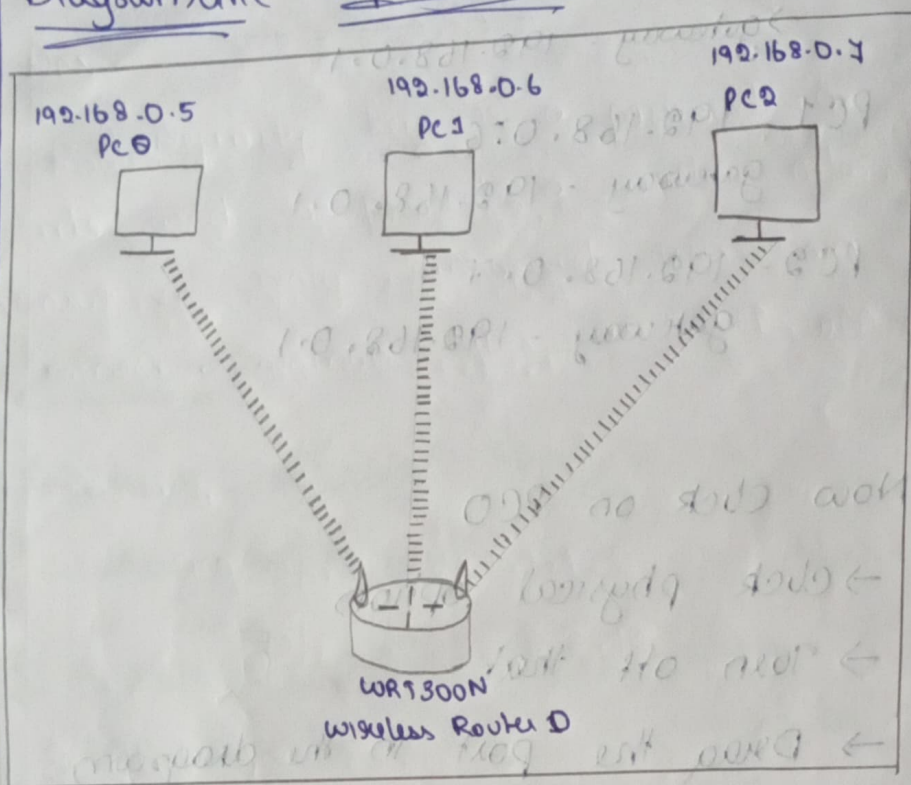   Connect
    → Type '0123456789' in the WEP key 1
    → Connect

6. Repeat step 5 for the PC1 & PC2

Then you can see the below
Connection in the network

Diagramatic representation

192.168.0.5
PC0

193.168.0.6
PC1

192.168.0.7
PC2

WR9300N
wireless Router D

Output

Thus the packets could be
transmitted via wireless router

fire	last status	source	destination	Type	color	time	period	Num
⊙	Successful	PC0	PC2	ICMP	□	0.000	N	0
⊙	Successful	PC1	PC0	ICMP	□	0.566	N	1

Simulation panel) ☐ X

Event List

Vis	Time (Sec)	Last Device
a	0.000	--
	0.001	PC0
	0.003	--
	0.004	wireless router 0
	0.004	wireless router 0
	0.004	wireless router 0
	0.005	--
	0.006	PC2
	0.008	--
	0.009	wireless router 0
	0.009	wireless router 0
	0.009	wireless router 0
visible	0.012	--

Students Observation

a) What is SSID of wireless Router?

Ans:

Service set Identifier is the name assigned to a wireless network, allowing

Result

→ Thus wireless Lan has been configured using cisco packet tracer

devices to identify and connect to the correct wifi. The SSID is broadcast by the router and helps distinguish one network from others in the same area

b) what is security key in wireless router

Ans

A security key is a password or code used to protect a wireless network, ensuring only authorised users can connect. Common types are WEP, WPA etc.

Result:

Thus wireless Lan has been configured successfully using Cisco packet tracer