Exp No.: 8) b)   Wireless LAN

Aim:

To configure wireless LAN using CISCO packet tracer.

Procedure:

1. create network 3 PCs. & a wireless router.

2. Right click on the wireless router.

3. Note the IP address. It would be 192.168.0.1

→ Disable the DHCP server.

→ save settings

click on wireless on the same page

→ change network name to My Home Network

→ save setting

→ click on wireless security under wireless & change security mode to WEP from disabled.

→ Add key 1: 0123456789

→ Save settings

→ Then close the window

4. Now assign IP to the PCs

PCO = 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

→ click p

→ Turn o

→ Drag
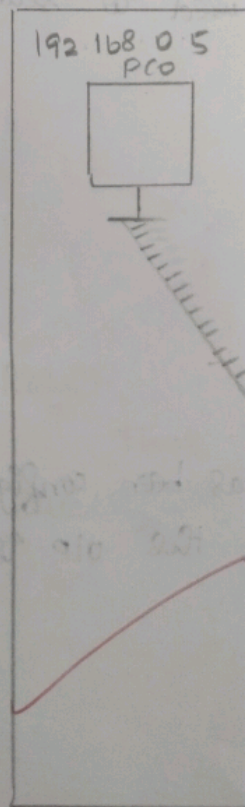
→ To the

→ Drag

from H

→ Turn

→ Now

→ click

→ Type

→ connect

6. Repeat ste

Then you

in the ne

Diagramatic

192.168.0.5
PCO

5 Now click on PC0
→ click physical option
→ Turn off ♂
→ 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
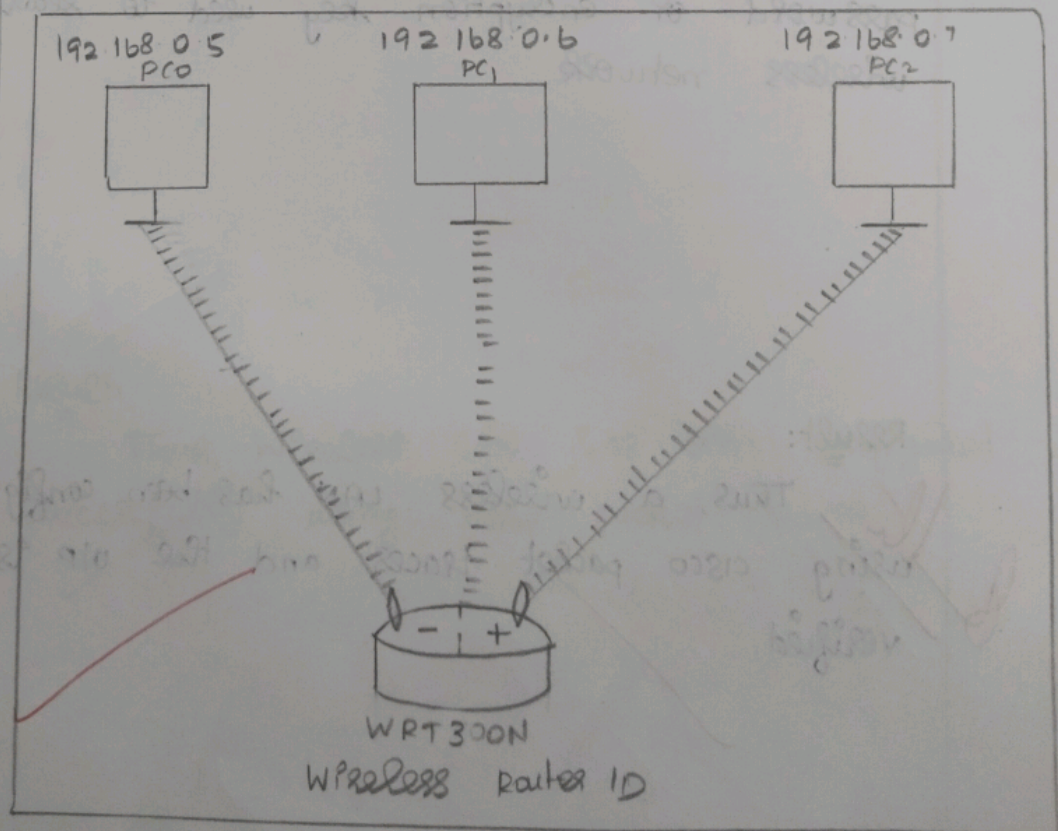→ click connect → site information → connect
→ Type '0123456789' in the WEP key 1
→ connect

6. Repeat steps for the PC1 & PC2
   Then you can see the below connection in the network.

Diagramatic Representation:

192 168 0 5   192 168 0.6   192 168 0 7
   PC0   PC1   PC2

WRT300N
Wireless Router 1D

output:

Thus the packets could be transmitted via wireless router.

File	Last Status	Source	Destination	Type		Time	Period	No.
◉	Successful	PC0	PC2	ICMP	☐	0.000	N	0
◉	Successful	PC1	PC0	ICMP	☐	0.566	N	1

student observation:

1) What is SSID of a wireless source?

SSID (service set Identifier) is the name of a wireless network. It is used to uniquely identify a wireless LAN.

2) What is a security key in a wireless router?

A security key is a wireless router password or encryption key used to secure wireless network.

Result:

Thus, a wireless LAN has been configured using cisco packet tracer and the o/p is verified.

be transmitted

		Time	Period	Num
P	☐	0.000	N	0
ᵒ	☐	0.566	N	1

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used to
LAN.

wireless.

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e o/p °s

Simulation Panel
Event list

vis	Time(sec)	Last Drive
	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 router0
	0.009	Wireless router 0
	0.009	Wireless router0
visible	0.012	--

Result:
=

Thus, Wireless LAN has been configured
successfully using cisco packet tracer.