Ex. No: 08 b)

AIM:

To configure wireless LAN using cisco packet tracer.

PROCEDURE:

i) Create network 3 PCS & a wireless router.

ii) Right click on the wireless router note the IP address. If would be 192.168.0.0
   → Disable the DHCP server
   → Save settings

iii) Click on wireless on the same page
   → Change network name to " MY HOME NETWORK"
   → Save settings
   → Click on wireless security under wireless & change security mode
   → Add key 1 : 0123456789
   → Then close the window.

iv) Now assign IP to the PC's
   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

v) Now click on PC0

→ Click physical option

→ Turn off that ___ o▢

→ 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.

vi) Repeat Steps for the PC1 & PC2

<u>Diagramatic Representation:</u>

192.168.0.5
PC0

192.168.0.6
PC1

192.168.0.7
PC2

WRT 200N
Wireless Router 0
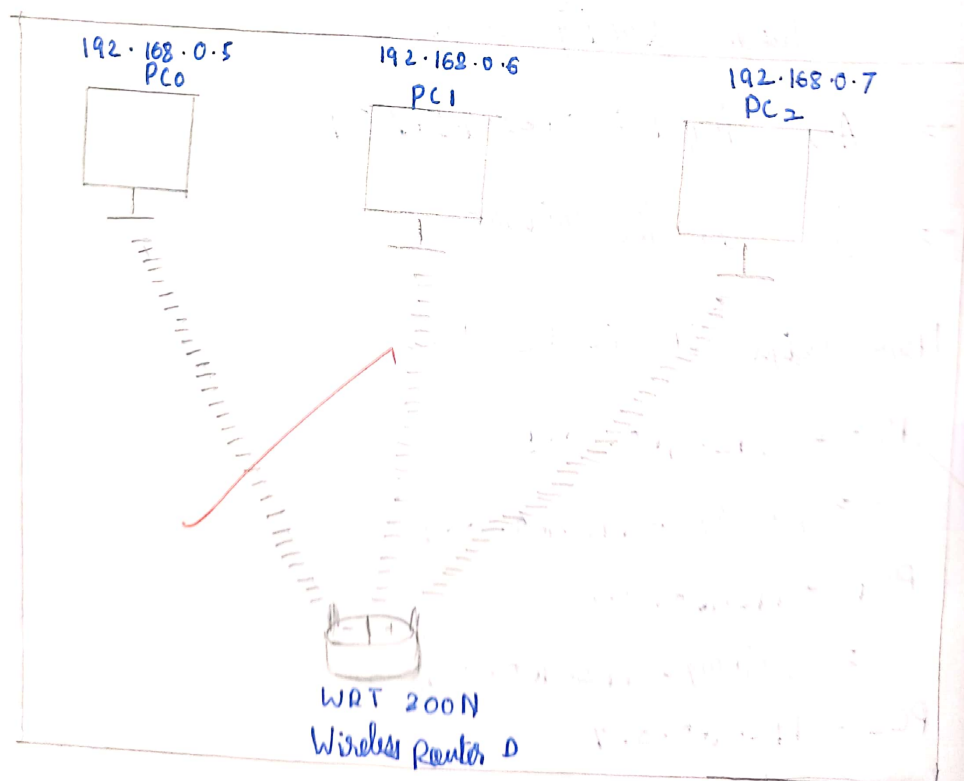
OUTPUT:

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
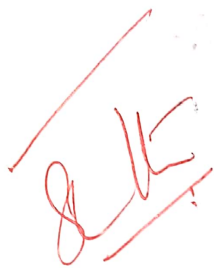
Simulation Panel ⧉ ✕

Event list

VIS	Time (sec)	Last Device
	0.000	- -
	0.001	PC0
	0.003	- -
	0.003	wireless router 0
	0.004	Wireless router 0
	0.005	- -
	0.006	PC2
	0.008	- -
	0.008	Wireless router 0
	0.009	Wireless router 0
Visible	0.012	- -

Student Observation:

a)   Service set identifier is the name assigned to a wireless network allowing devices to identify & connect to the correct wifi. The SSID is brocast by the router & helps distinguish one network from others.

b)   A security key is a password or code used to protect a wireless network, ensuring only authorized users can connect.

RESULT:

    Thus wireless LAN has been configured successfully using CISCO PACKET TRACER.