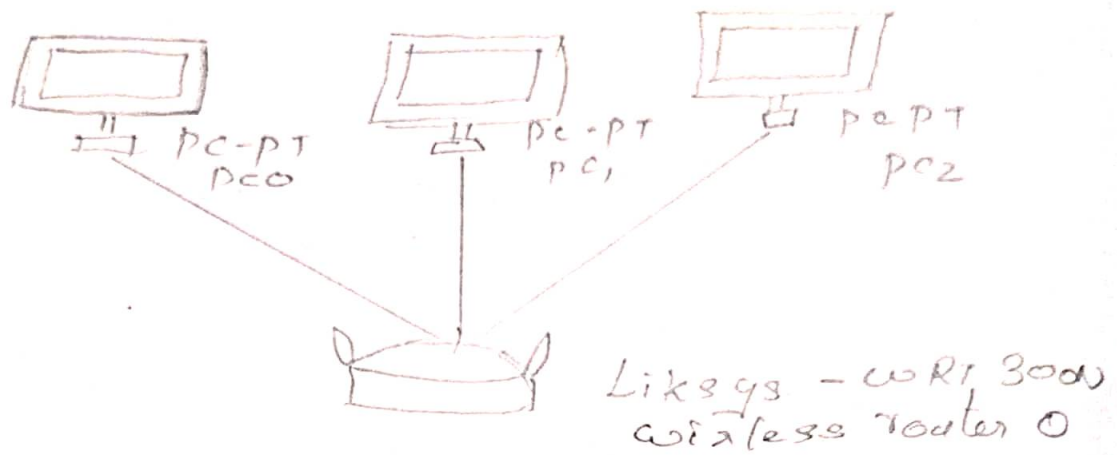9/10/25   8) Configuration of wireless LAN using cisco packet tracer.

Aim

Configuration of wireless LAN using cisco packet tracer.

Design a topology with three pc's connected from Linksys wireless routers.

PC-PT
PC0

PC-PT
PC1

PC-PT
PC2

Linksys — WRT 300N
wireless router 0

procedure

Step 1: click a wireless router

→ Select administration tab from top menu set user name and password to admin and click on save setting.

→ Next click on wireless tab and set default SSIP to mother network.

→ Now select wireless security and change security mode to wep

→ Set key 1 to 0123456789

→ Again fill in the end of the setting page and click on save setting.

→ Now we have completed all given task on wireless router

→ Double click on pc select desktop click on IP configuration select static IP

and set IP

PC	IP	Subnet mask	Default Gateway
PC0	192.168.0.2	255.255.255.0	192.168.0.1
PC1	192.168.0.3	255.255.255.0	192.168.0.1
PC2	192.168.0.4	255.255.255.0	192.168.0.1

→ now its time to connect pc's from wireless router To do so Click pc Select Desktop click on PC wireless.

→ click on connect tab and click on Refresh button.

→ It will ask for WAP key insert 0123456789 Click connect

→ Repeat Same process on pc1 and pc2

Student observation

(i) SSID of a wireless router?

SSID stands for Service set identifier it is the name of the wireless network.

(ii) Security key of wireless router?

A security key is a wifi passward used to access a secured wireless network.

(iii) configuration of wireless router.

IP → 192.168.1.1
SSID → Lab wifi
Security key → Lab @ 12345

Result

Thus configuration of wireless LAN using cisco packet tracer has been executed successfully.