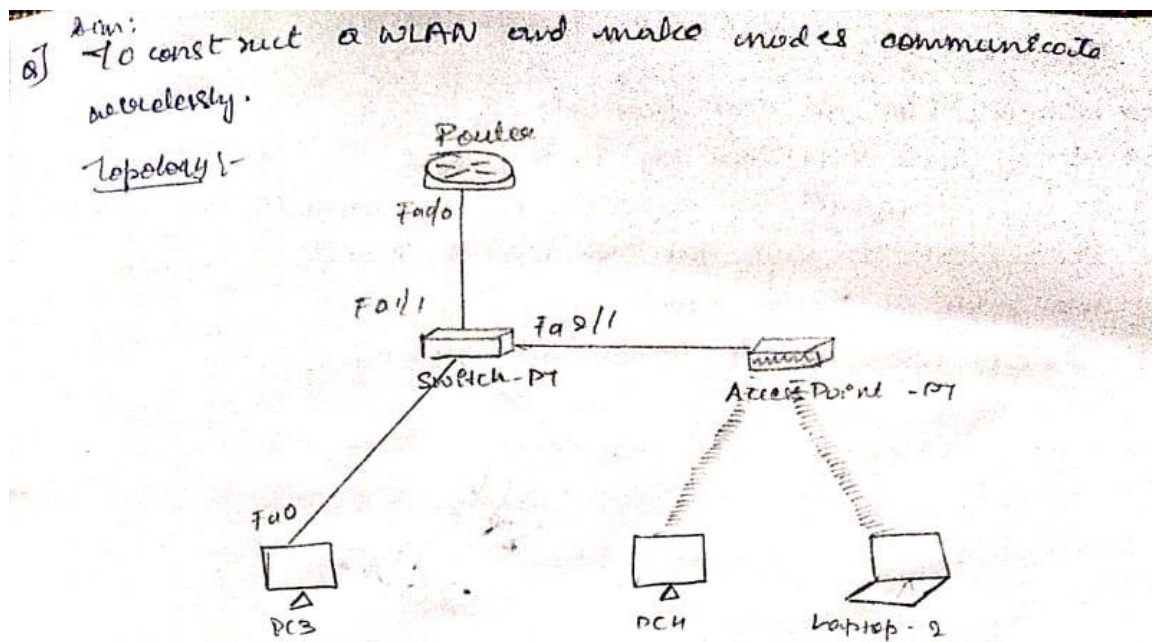


PROGRAM12: To construct a WLAN and make the nodes communicate wirelessly
 To construct a WLAN and make the nodes communicate wirelessly
 OBSERVATION:



Procedure :-

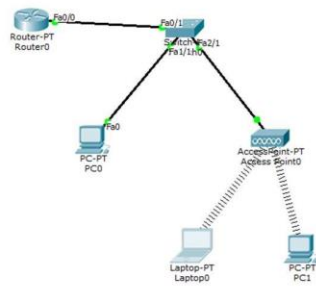
- * Set the router and connect it to a switch.
- * Connect PC to the switch.
- * Select Access Point - PT from the wireless devices and connect it to switch.
- * ~~Configure Access Point - Port 1 - SSID Name as name~~ any name.
- * Select WEP and give any 10 digit hexa key
- * Configure PC4 and laptop with wireless standards.
- * Go to PC4 switch off the device. Remove existing PC-HOME-NM-1AM to the component listed in the IHS.
- * Remove WMP30N wireless interface empty port.
- * Switch on the device.
- * Repeat for the same for Laptop also.
- * Ping from every wireless device to every other device and observe the results.

Observation :-

- * Wireless LAN use WEP protocol.
- * It requires SSID and key to be present
- * It uses accessPoint to establish wireless connection.
- * The wireless in config tab new wireless interface have been added to PC and laptop
- * Devices were able to communicate successfully.

OK
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TOPOLOGY AND OUPUT:



```
Packet Tracer PC Command Line 1.0
PC>
Packet Tracer PC Command Line 1.0
PC>
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=21ms TTL=128
Reply from 10.0.0.2: bytes=32 time=13ms TTL=128
Reply from 10.0.0.2: bytes=32 time=13ms TTL=128
Reply from 10.0.0.2: bytes=32 time=11ms TTL=128

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 11ms, Maximum = 21ms, Average = 14ms

PC>
```