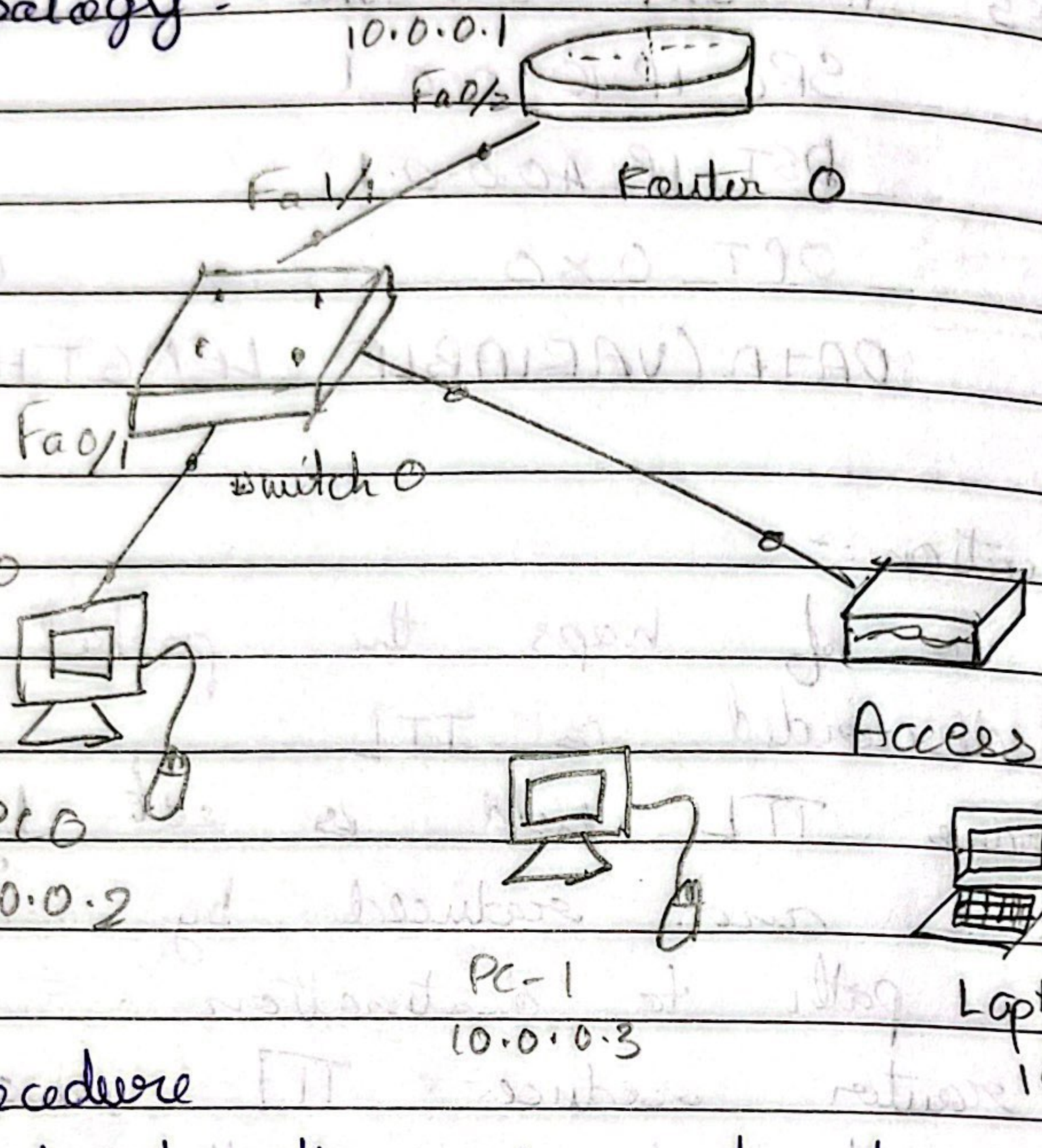
Lab - 11

Aim:- To construct WLAN and make the nodes communicate wirelessly

Topology:-



Procedure

- Construct the above topology
- Configure PC and router 0 as done.
- Configure access point 1 - Port 1 → SSID Name - WLAN
- Select to EP & give any 10 digit hex key - 1234567890
- Config PC1 & laptop with wireless standards.
- Switch off the device - Drag existing PT-HOST - NM - 1AM to the component listed in LHS. Drag WMP300.N wireless interface to the empty port. Switch on the device

In the config tab a new wireless interface would have been added. Now configure SSID, WEP, WEP key, IP address and gateway to the device
- Ping from every device to every other device.

Ping Output :-
Packet tracer PC command line 10
PC> Ping 10.0.0.3
Pinging 10.0.0.3 with 32 bytes of data
Request timed out
Reply from 10.0.0.3 : bytes = 32 time = 0ms TTL = 127
Reply from 10.0.0.3 : bytes = 32 time = 0ms TTL = 127
Reply from 10.0.0.3 : bytes = 32 time = 2ms TTL = 127
Ping statistics for 10.0.0.3
Packet : sent = 4, Received = 3, Lost = 1 (25% loss)
Approximate round trip times in milliseconds :
Minimum = 0ms, Maximum = 1ms, Average = 0ms

Observation :-
- A LOLAN is a group of colocated devices that formed a network based on radio transmissions.
- Data sent in packets contain layers with labels and instruction MAC address to endpoints for routing.