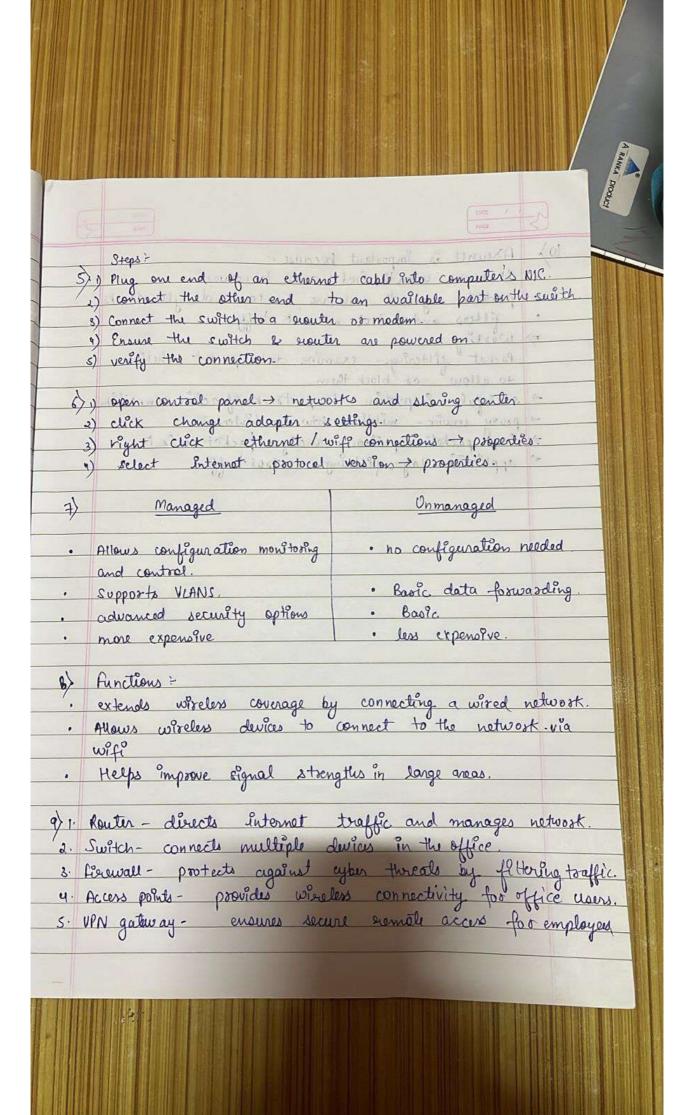
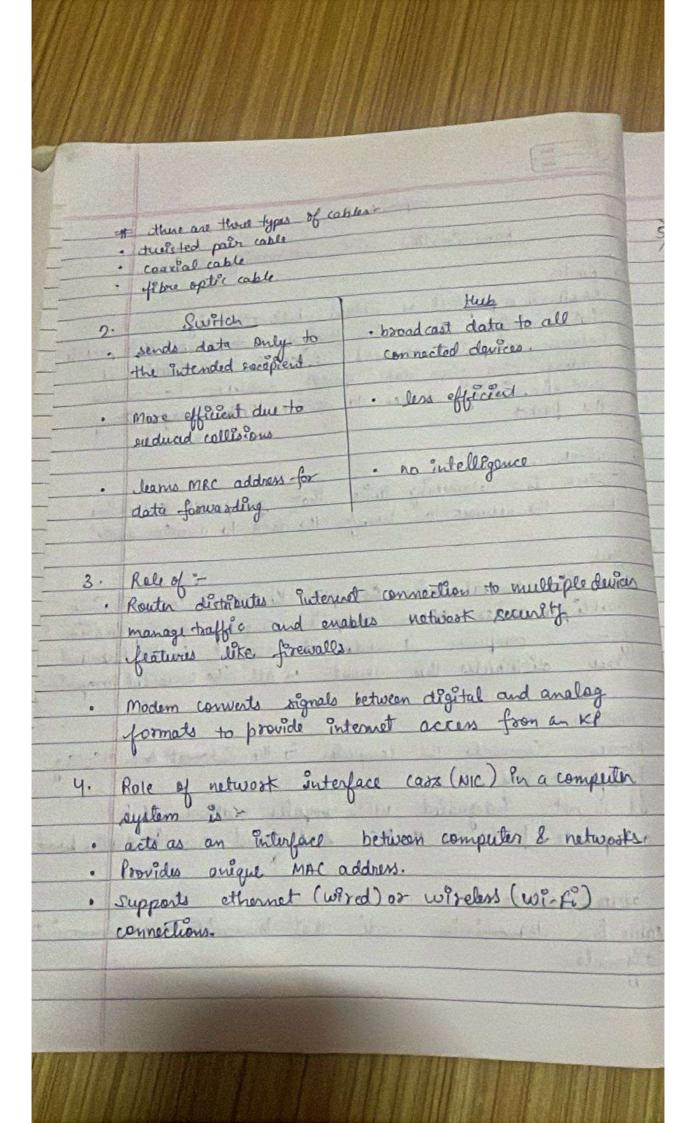
## Experiment-1

## Familiazation with networking devices

- Router is a physical or virtual internetworking dwice that is designed to secure analyze and forward data pectels between computer networks. It examines destination IP address of a given data facket, and uses the headers and forwarding tables to decide the best way to transfer the packet.
- · Switch is a notworking device that groups all the devices over the network to transfer the data to another device
- thub is a contral device that splits the notwork connection into multiple devices when computer acquests for information from a computer, it sends the ecquest to the hub and hub distributes this evequest to all the connected computers
- Modern connects the computer to the Enternet over existing telephone line.

  it is not integrated with computer motherboard but a separate part, on the PC stat found on the motherboard
- cable is a transmission media that transmit the communication of grals.





10) Arewall is important because : at blocks unauthorized access to network. · protects against malware hacters and cyber attacks.

· filters and control notwork traffic. Packet filtering. examine data packet whether to allow or block them. -> stateful inspection - Keep tracks of active connections - promy service - middlemen botw user distrement → Deep packet inspection - analyse backet content.

→ application layer fellering - control traffic. · Bush data have