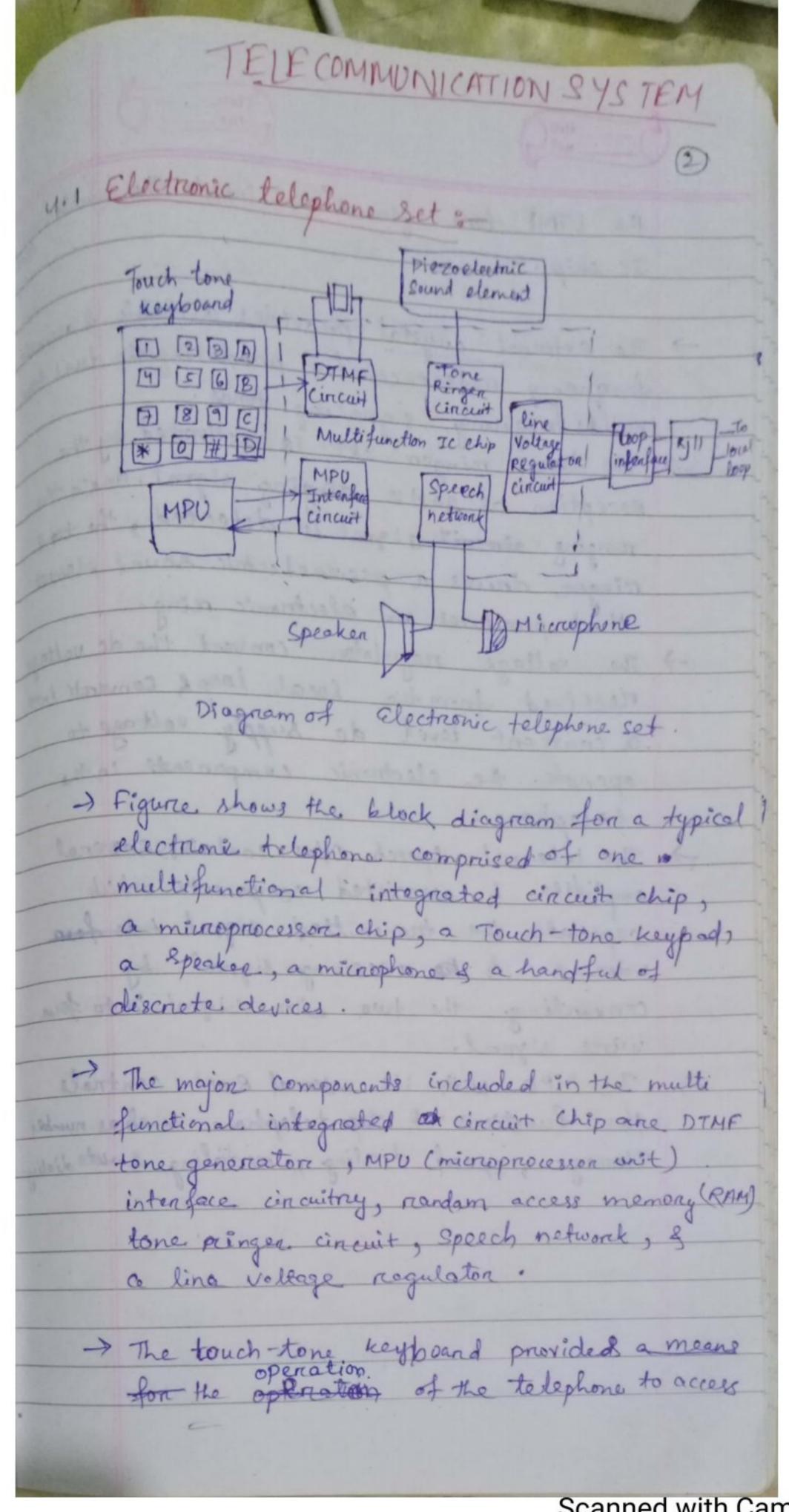
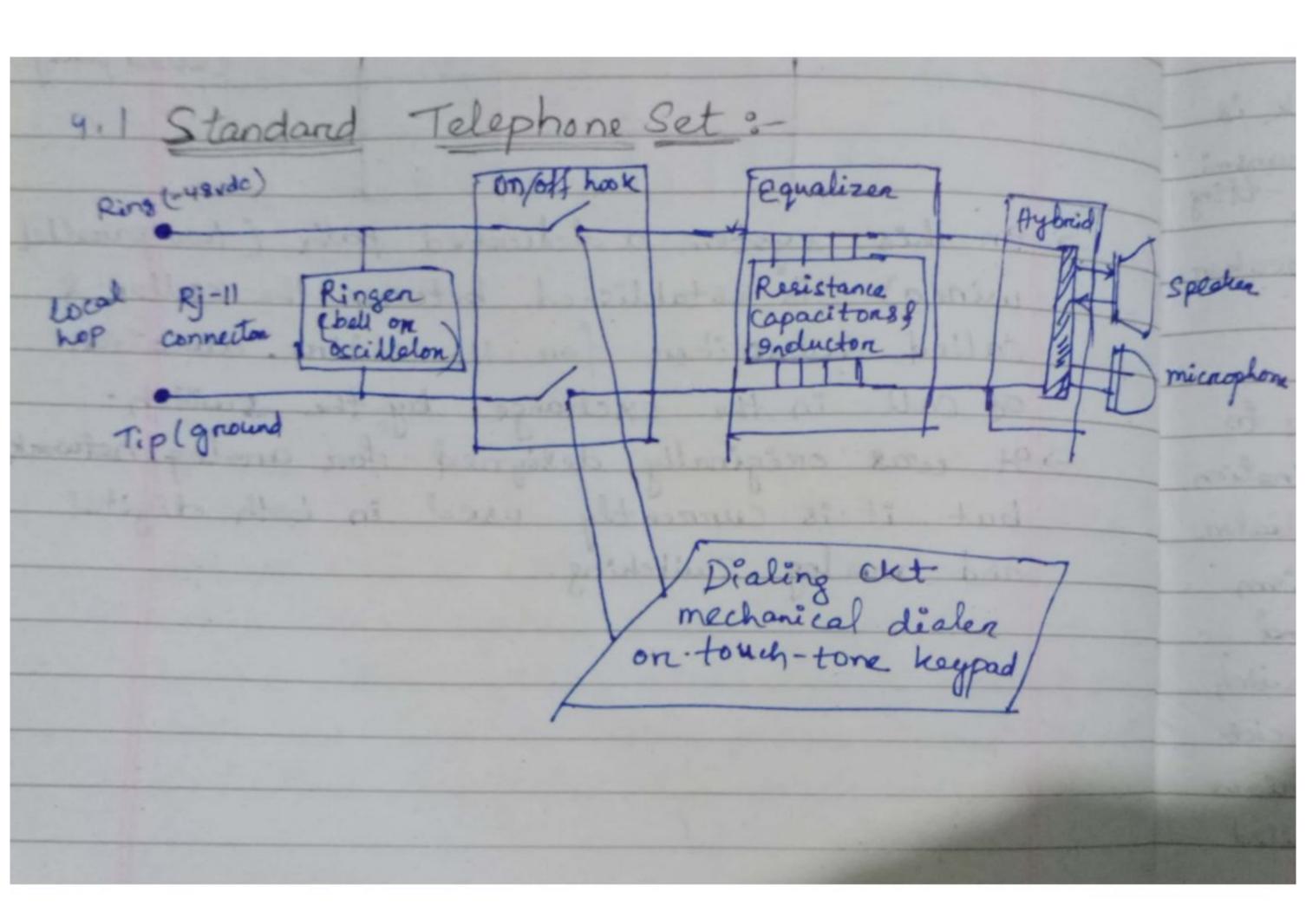
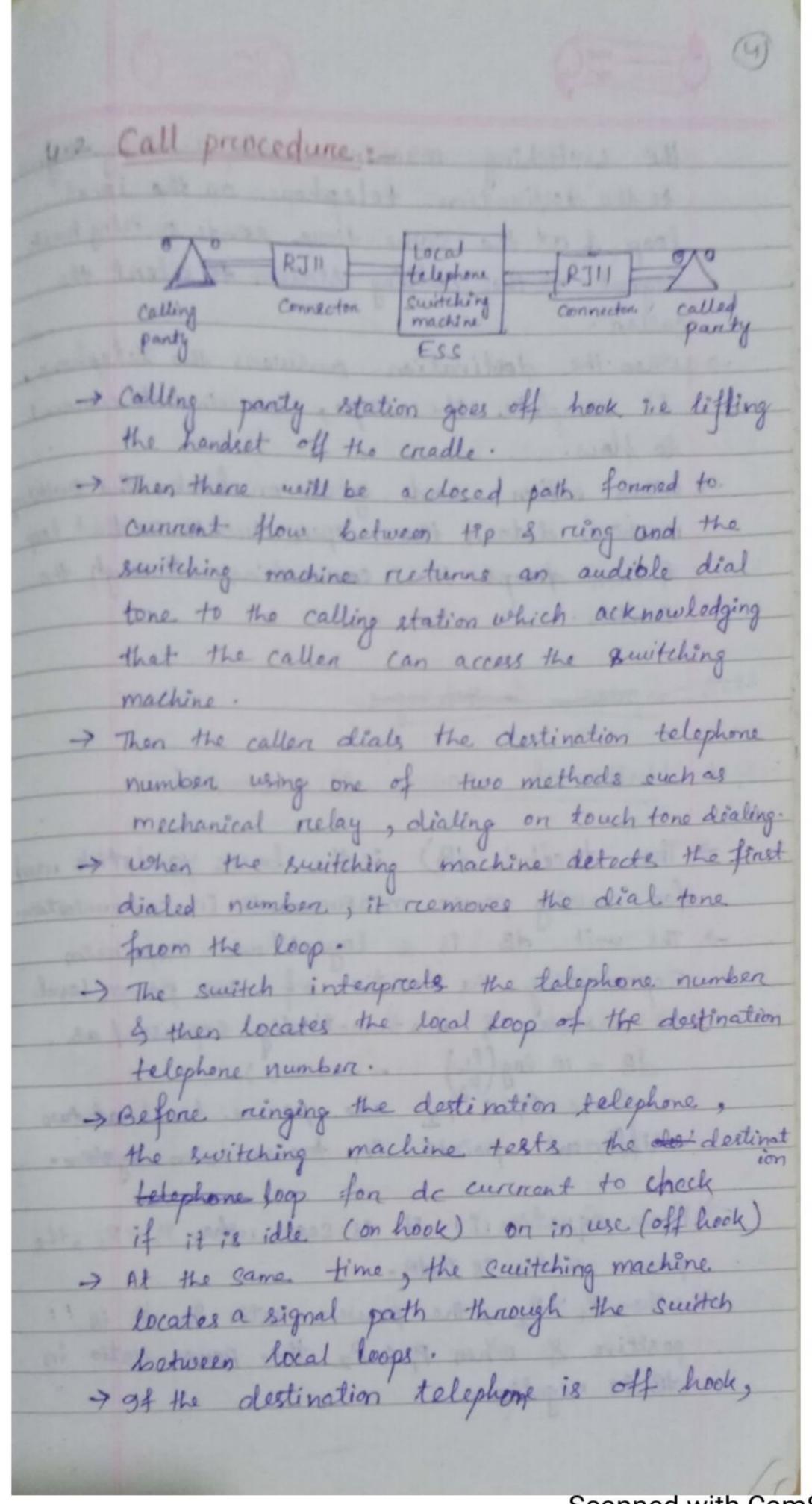
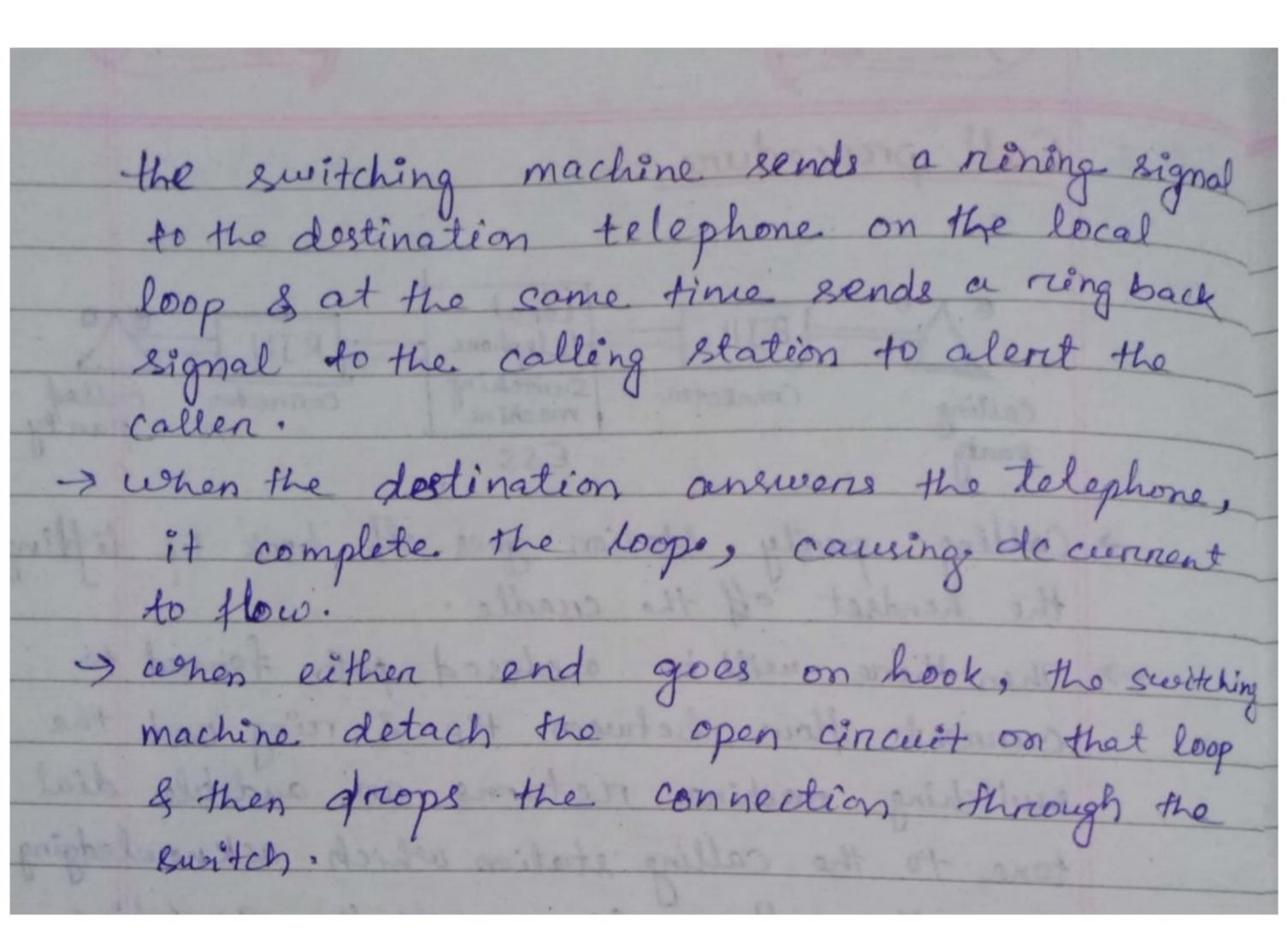
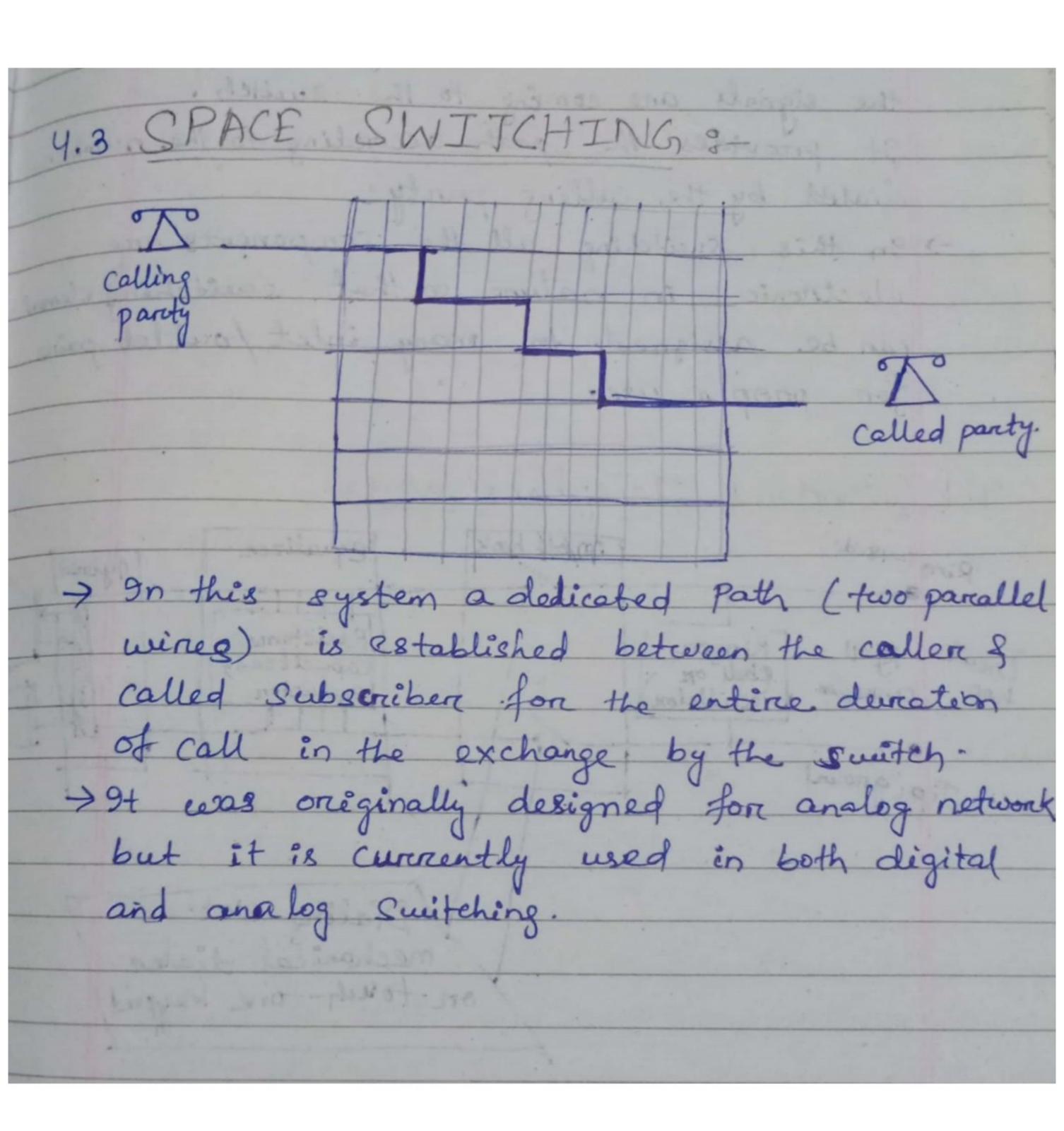
Telephone;--> A telephone on phone is a telephone in telephone on phone device that permits two on more users to conduct a conversation when they are too fare apant to be heard directly -> 97 convents sound energy into electrical energy & vice venea! -> The signals are transmitted through cables on other transmission medea over a long distance. -> 9n 1846, Alexander Graham Bell invented Telephone system. > 9t has two essential part 1.e transmitter & receiver. -> At transmitting and the same sound signal is convented to electrical signal of at remain treceiving end the electrical signal is convert to sound signal.

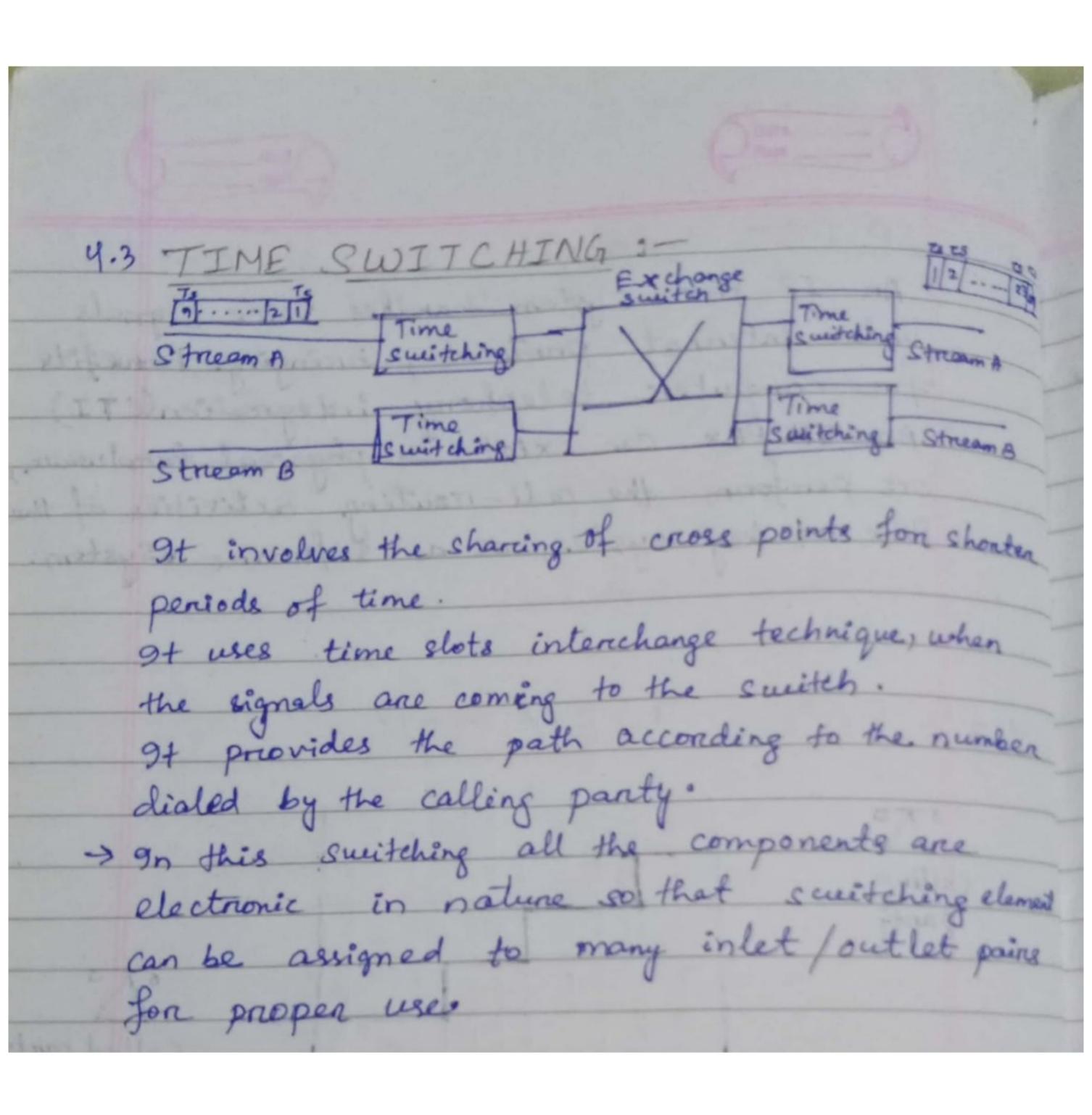












4.4 Telephone numbering Plan -A telephone numbering plan is a type of numbering Scheme used in telecommunication to design telephone numbers to subscribe telephones on other telephony end points. of Telephone numbers are the addresses of participants in a telephone network, reachable by a system of destination code routing. * Telephone number plans are defined in each of admistrative regions of the public suitched telephone network (PSTN). -> Many numbering plans sub divided by their territory of service into geographic regions designated by an area code, which is a Fixed length) The northe american numbering plan is a closed numbering plan which prescribes "10" digit for each complete recuting & it is divided into three parts. (i) The most significant part is a 3-digit numbering plan Arrea (NPA) code (on area code). is) within each plan area, central offices are numbered with a three digit central office code. iii) The remaining 4 digit respresents the specific line assigned to each telephone. -> The International Telecommunication Union (ITU) has established a comprehensive number plan which is operated by its State members on regional administration. It is an open numbering plan having maximum length of 15 digits to telephone numbers. It has a specific country code for each country attached with the national numbering plan

9.5 PBX (Private Branch exchange):

PBX Stands for Private Branch Exchange which is a private telephone network used within a business.

A PBX connects the internal telephones within a business and also connects them to the public Switched telephone network (PSTN)

> It is a telephone exchange on switching system that sources a prievate organisation and performs Concentration of central office lines on trunks and provides intercommunication between a large

number of telephone stations in the organization > The central office lines provides connections to public switched telephone network (PSTN) and the concentration aspect of a PBX peremits the Shared use of these lines between all Stations in the organization. > The intercommunication aspect allows two or more stations to establish telephone or conferning calls between them without using the central office equipement. + Each PBX - connected Station, such as a telephone Set a fax machine, on a computer modern are interconnected to send the datas to each other > A PBX employs an organization numbering plan for its station. Main functions for > Establishing connections between the telephone sets of two uslocs. > Maintaining such connections as long as the users require them (ie channelling voice signals between the users). -> Disconnecting those connections as per the user's requirement. -> Providing information for accounting purposes (eg. metering calls) Apart from this PBX preovides other functions > Auto dialing. -> Automatic Call distribution -> Call blocking

I call forwarding on busy.
read forders
→ call logging.
-> call waiting
-> conference call -> dialine
-> Speed dialing. -> Do not disturb (DND) System.
Do not aust
→ Voice mail. → Voice message broadcasting.
Voice messy
Types of PBX:-
There are different PBX System Such as
-> 11 -tod PBX Quetern
→ Hosted PBX System → Mobile PBX System
7 IP PBX system.
Hosted PBX System :-
-> 9t is provided by a telephone company on
service provider, using equipment located in the
priemises of a telephone exchange or the provider
data center.
794 allows a single number to be presented
Son the entire company so that the workers
can connect their home telephone to each other.
mobile PBX systems
> A mobile PBX is a hosted PBX service that
extends fixed - line PBX functionality to mobile
devices such as cellular handsets smartphones.
-> Mobile PBX system are different from other
hosted PBx systems that simply forward the
data on calls to mobile phones through the use
of buttons, keys and other ip devices.
Scanned with CamSca

