

* Communication Channel

- Transmission media is the medium that carries the information from sender to receiver.
- Transmission media is also called Communication channel.

* Wired Transmissions:

1. ⇒ TELEPHONE LINES :-

- Telephone Network is used to Provide voice communication.
- Telephone networks were developed for transmitting voice in form of analog signals. It is also known as PSTN (Public Switched Telephone Network).
- Initially, these system used analog technology that was quite different from digital technology.

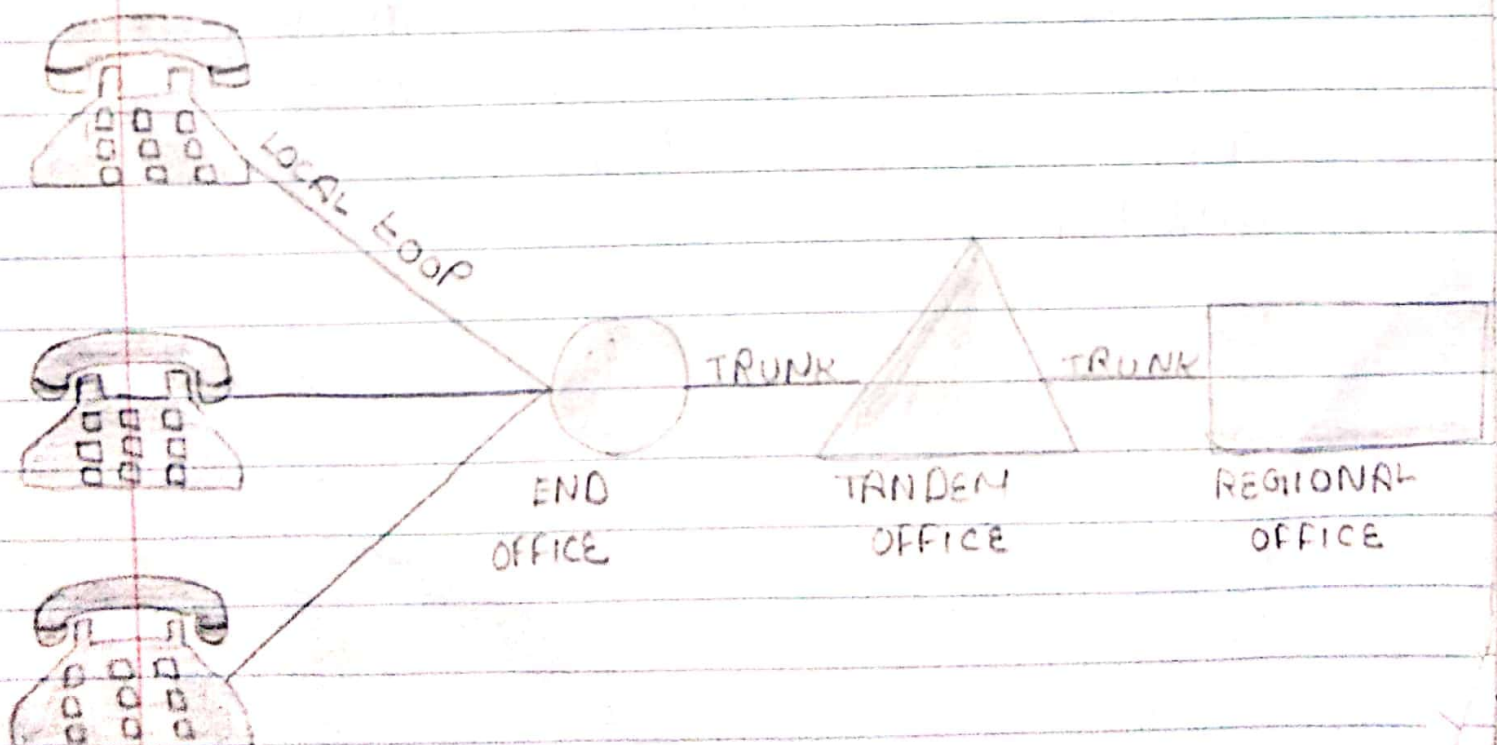
- Now a days, telephone Networks also carry digital data thereby providing digital services.

- Telephone networks has three major Components :-

1. Local Loop
2. Trunks
3. Switching Offices.

- There are different levels of switching offices:-

1. End office
2. Tandem office or toll office.
3. Regional office.



1. Local Loop:- Local Loop is a twisted pair cable that is used to connect the subscriber telephone to the nearest end office or local central office.

2. Trunks:- Trunks are transmission media that can handle the communication between offices.

3. Switching Offices:- Switching Office are used to handle the calls between different subscribers.

→ Switches are used to connect local loops and trunks and those switches move the calls from one trunk to another.