Data Terminal Equipment
and
Data communication Equipment

1. Data Communication Equipment (DCE):

- Refers to devices that establish, maintain, and terminate a communication session.

- Typically used to transmit data over a network or communication link.

- Examples:

  - Modems

  - Switches

  - Routers

  - Multiplexers

- Functions of DCE:

- Responsible for converting data into a format suitable for transmission.

- Controls data flow between the sender and receiver.

- Acts as an intermediary between the network and the terminal equipment (DTE).

2. Data Terminal Equipment (DTE):

- Refers to devices at the endpoints of a communication link that generate, process, or consume data.

- Examples:
  - Computers
  - Printers
  - Workstations
  - Terminals

- Functions of DTE:

- Initiates or terminates data communication.

- Prepares data for transmission and interprets received data.

- Works in conjunction with DCE to ensure successful data transfer.