- (1) Physical Layer Cables, Topology, Transmission modes, Encoding, LAN, Devices, Modulation
- (2) Rata link Stop and wait, go Back and Selective Repeat, MAC protocols, switching,

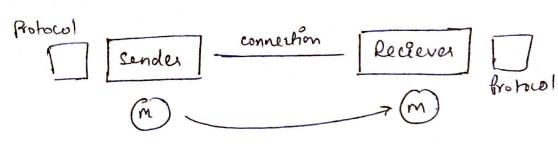
 Error control, Ethunet frame format.
- (3) Network -> If addressing, Routing Protocols, IPV, header.

 IPV6 'Header.
 - (4) Transport layer -> TCP, UDP, Headers
 - (5) session layer
 - (6) Presentation layer
 - (7) Application layer -> DNS, HTTP, SMTP, FTP

 port numbers
 - (8) Network Security.

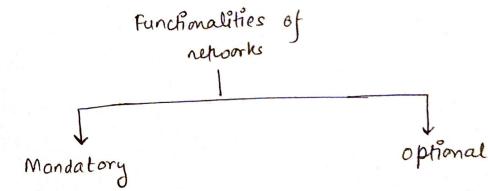
2) Introduction to computer Networks

main purpose of computer networks is to share deta across devices.



Message sent by sender should be understandable by Reciever. To ensure this, we need protocole that run on both sides.

Connection with protocol is called communication.



(i) Error control

(Recieves should recieve some message as sent by sender)

- (ii) Flow control

 (Amount of data control)
- (iii) multiplexing, Demutiplexing

- ii, Enoughtion, Deoughtion
- (ii) Checkpoint

 (Suppose a download of soomB stops at 200, near time it should start from 300)

- OSI model (open systems Interconnection mode)
- > In the OSI moder, functionalities are convented into

Application
Precentation
Seccion
Transport
Network
Data lank
Physical layer.

A mossage will pass through all these layers at both sender's and recieves is end.