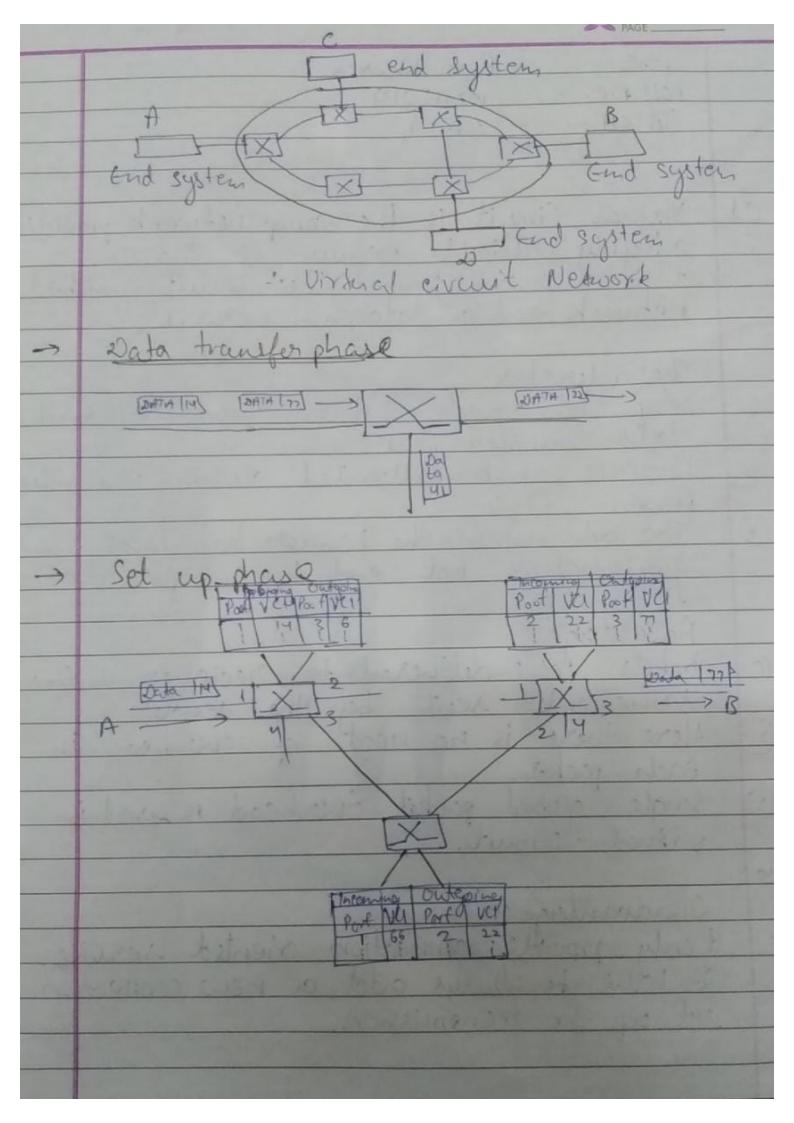
Virtual Circuit is the comp network providing or highly reliable medium of transfer It is a cross-terminal blu corcuit switched network and or datagram network. Characters tics: setup and teardown phases in addition to the data transfer phase Resource can be allocated during the jurisdiction, not end Advantage: Here there is no need each packet. Single global packet overhead is used in 49 Disadvanterse: only provide connection oriente we have to always add a new connection (2) set up for transmission.



Team - down phase is a packet- switching network protocol that is designated to work at date link layer of the network. It is used to connect LAD and transmit data gass WAN: It is better point to point network you connecting multiple node that require seperate dedicated links to be established blue each pairs of modes Advantage High speed, scalable, reduce Disadvantage Laks error control mechanism delay in packet transfer.

1.25) is a protocal that follows various logical chainnels to make use of same physical line for sending message I information, in a network of the encompasses the three layer of the open system Interconnection (OSI) reference model for nerooking Network Packet (PLP) Physical (LAPB)

Physical (LAPB) X.25 has three protocol layer: -Physical layer Junctional characterste. that interface b/w the computer characteristics that terminal and link to the packet switched nodo Data link layer It control information for transmission ones link is attached to packets from packets layer to form LAPB frame (link Access Procedure Ralanced.) Packet layer: It defines the format of data packet and provides extornal virtual circuit service:

C) ATM) > Asynchronous Tremsfer Mode He is switching technique used by data into small packets called cell Cell are transmitted asynchronously and the network is connection criented H can covery multiple types of traffic with end to End quality of service. It is independent of a transmission medium. It can be of two format types: UNI headen NN1 header It's applications: -ATM WANS Multimedia virtual private network and Frame relay backbone Residential broadband networks private line networks for telephone and Q3. Soft Switch Architecture It uses software on sturndoord hoordware to control phone calls. Software franker Architectul refers to software and digital programming

It allows for soft switches to junction data switching. The architecture behind this I comprises numerous comparents including gateways and other application servers In a typical softswitch implementation the control place is decoupled from the transport place and the system is decomposed into 3 distinct functional elements: a signaling gateriay, a media geteroay Signaling gateway: These network IP signaling protocol such as SIP and 11.323 with legercy \$37. Media gateway: the medici streams for 1P transport using Media gateway controller. It instructs the media gateway, media servers and application serveds to set up and team down calls. It is also referred to as a softswitch, call controller

tradeway controller MUCP Media TOMCi Crateway Voice : Softswitch Architecture