Paga No. Q.2. OSI Model TCP/3P Model . It is developed by It is developed by ARPANET. distingues between interfaces, services & protocol. TCP 3 P doesn't have any door distingues points between Services interface, & protocols. system interconnection control protocol. loyer to define souting internet loyer. I standards a protocol. transport layer is only model is both connection oriented. connection oriented. · In the OSI model the connection oriented & In TCP, Physical & data link are both · In the OSI model the dater link & physical are seperate layer. combined as single host to retwork Loyer. 20 byte. - Minimum Size of feader is 5 byte.

co3 Hub A Hub is a networking device that allows you to connect multiple pes to a single notwork. It is used to connect Sognment of a LAN, A pub store Various ports, so when a porket all arrives at port, it is copied to Various other ports, Mub works as a common connection point for device in a network, -> Active Hub Passive Mulo Switch A Network Switch is a Notworking device that connects various devices tregettes on a single computes notwork, it may also be used to sonte information in the form of electronic date sent over notworks, since the process of linking notworks segments is also called bridging switching vsually reffered to as pridging device. -) Managable Switch -> UnManagable Switch

Page No. our Boidge A bridge operates at date link layer. A besidge is repeater with add on the functionality of filtering content by reading the mac address of source & destination. > It is also used for interconnecting two I ever warking on the same protocol it has a single input & single output port, thus making it a 2 port devices. -> Transparent Bridge - These one bridge in which the System are completely unaware of the bridges existence ie whether be not a bridge is added or delated from the network reconfigured of the statur is unnecessary. These bridge forwarding & pridge learning. -> Source souting Bridge - In these bridges, souting operates is performed by source status & the frame sperifies which route to follow. The host can discover brame by sending or special frame called discovery frame which separates through the entire network Osing all possible path to destination.

> Routes It is a virtual internotweeking down that is obeligned to receive, and & Farward date penkets between computer notwerks. It examines destiration IP address of a given data packet, & it uses the henders In forwarding table to double the best way to transfer the parkets, these are same popular companies that developed router. Such are Cisco, portel, HP, 3 com, W- link. A router is used in LAN & WAN. - It should shares Informations with ather router in networking. - It uses the souting pretocal to boarder date some a network. 00-5 Topology A Network Topology is the arrangement with which computer system a metwork device are connected to each Physical aspect of the notwork.
Both Logical & Physical topologies
could be some as different in a same







