Advantages of King Topology a) Au data flow in one disection readricing the chance of packet collisions. ii) Every computer is given oquat carress to the token, no one computers can's monopolise the to the settle and network. dimention the for the total of the state of the state of the state of the iii) Dota can be transferred between wordestations at high speed. minimum part Disadvantages of Ring Tupology i) failure of one computer in the sting can effect the whole netwoods the determines of Us - housely - identity with with the liter liter to the multiple in ii) It is difficult ato troubleshoot in a sing network Carpetria Primetter to iii) Adding our Removing Computers disturb the network ind The Topology :- It is a networld topology containing zero or more nodes that are linked together is a hierarichal fashion. The topmost node is called Root. The root may have 0 or more child nodes connected Edge, the scot is the povent node to its children. Cach wild node can in twee

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11 have a or more wildren of its own. Nodes the same provents are called Siblings Showing in a tree has exactly one went node node and rall the nodes in the tree are descendants of the Host node. These retationship ensure that schore his one and the any one path from one node to any other node in thee 1 Note of TEPUT ANTIN Node Node Node Node Norte Bartobone Advantages of Tares Topology -Foint-to- Toint wiring for individual segments. ii) The distance to which a signal can travel increases the isignal passes through of hubs. 1 answerthan the parties of iii) Supported by Several franchene & Software vordoos.

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i) Overall length of segment is Winiked by the type of the cabling used. iii) If the packboke time breaks, the entire segments goes down. 15 1 1955 iii) More difficult to configure and wising than other topologies. Mesh Topology :-It is the most commonly used topology in WAN and is often seen in public network like Internet. According to Mesh network, every device needs to have point-to-point channels or connection with the every other device on the network. This network is used in hybrid approach with the every other device on the network. This network is used in hybrid approach with the only most important devices interconnected in the mesh. This is So because it is impractical to do so in normal condition, we can say that peen-to-peen networking. sypth stall

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13 Node Node Node Mesh Topology to 1 Topes of Full Mesh Topologia is used only backbone networks. Its mains advantage that the network triaffic was be redirected other nodes if one of the nodes ii) Poortial Mesh Topology:-Ja poulial mesh Jopology, the workstations are indirectly connected to other devices. This one is less costly, and also Jose redundancy Staducal and with a will in alorab

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14 Advantage of Mesh Topplagy:-Data can be transmitted from different devices Simultaneously. This topology can withstand high traffic! ii) Even if one of the components fail, there is always an alternative present So data can transfer doesn't get affected. will Extentension and modification in this topology can be done without disturbing other nodes Disadvantage of Mesh Topology :i) There are high chances of redundancy in many of network connections. I I THE THE THE .Thisk ii) Overall cast of this netwoork is too high Compared to other network topologies. as iii) Setup and maintainance of this topology is very difficult. 8 - B Imp ANY HE REAL TO Hybrid Technology = OD A hybrid technology is a not network topology that uses two more other network topologies including type o bus topology, mesh topology, sting topolog

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15 tree topology and Bswadcashing Network Channel :77 Beladcast notwork has all Single communication channel or medium that is shaved by all the machine on the network. Buggdcast is the distribution of audio of video content to dispersed audience via any audio or visual mass formunication medium but usually are using electromagnetic radiation that meaner reladio baves. The reciering parties may include the general public, or a subatively large subret thereof, Boradcasting, has been used for purpose of private, recreation, non-commercial, exchange of messages, experimentation, Self- training and enougency communication Such as Usiadio and delevision. plichotton 2120201010 but mains in the thing atom of

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