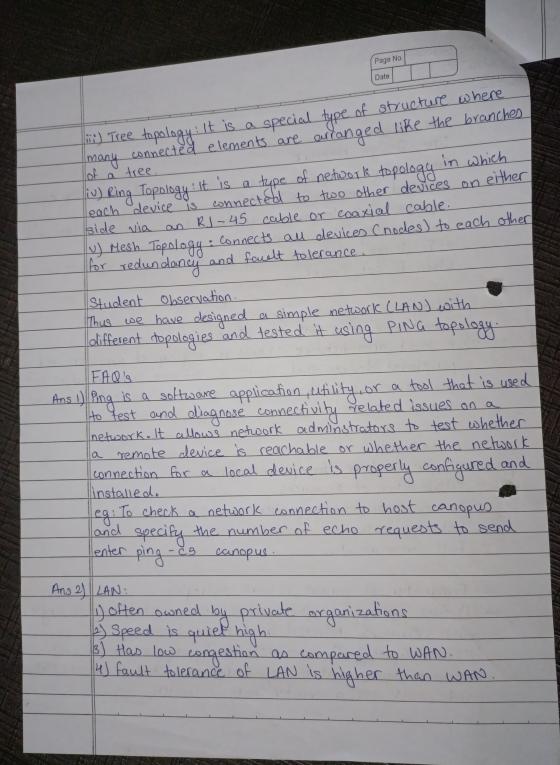
Devanshu 103221075	
PC-12	CN
admid	Lab Assignment +1
	Title: Design Network
d 9450 A	Am: Design a simple network (LAN) with different topologies
Willis and	and test it using PING utility.
	Objectives: 1) To learn and understand the concept of LAN and
ndo dies	test it using PING command.
	2) To design a network using various network topolgies in Cisco Packet Tracer.
30	notice of a tradente
-	Theory:
1)	Definition of LAN with its advantages.
	A local area network CLAN) is a group of computers and
	peripheral devices that share a common communications line
James +	or wireless link to a server within a distinct geographic
, n n	asea.
Today.	tak et explostentiaker Stuadaa Fendla Hadronnia
310330	Advantages:
Mar 1-	Simple and relatively inexpensive.
	Collaboration of Resources
	The association involving ellent and server  Data protection
	Fast communication
2	Explanation of various network topologies.
-	Explanation of various network topologies.  i) Bus Topology: All the devices are connected by one single pable. Commonly reffered as a linear bus.
	gable. Commonly reffered as a linear bys.
	ii) Star Topology: It is a network topology in which each
	ii) Star Topology: It is a network topology in which each network component is physically connected to a central code such as a router hub or switch.
	code such as a router hub or switch.



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## MAN:

- 1) Dionership can be private or public 2) speed is average. 3) How higher congestion than LAN 4) fault tolerance of MAN is lower than LAN

## WAN:

- 1) Ownership can be private or public
  2) Speed is lower than that of LAN.
  3) WAN has higher congestion than both MAN and LAN.
  4) Fault tolerance of WAN is lower than both LAN and MAN.

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