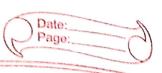
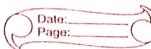
	Mohd. Manzas Ighal 29/01/2021 Scholar No:- 192120017 Date: Page: Page-L
-	Computer Network
-	
-	Mini-Test
	There are seven OSI layers. Each layer has
-	There are seven OSI layers. Each layer has olifferent functions
-	
-	(1) Physical layer:-
-	. The main timetionality of physical layer is to
	transmit the individual bits from one node to
	another node.
	· It establishes, maintain and deactivates
	the physical connection
	o It specifies the mechanical, electrical and
	procedural network interface specifications.
	fomdate link layer To data link layer [Izdata]
_	
	Physical Physical Physical layer 10101000000000 layer
_	layer 1010100000000 Jojo 100000000 layer
_	
_	Transmission Medeum
_	Medein
_	
_	



	Crago: C
(2)	Data link layer:
	o This layer is responsible for error-free transfer of data frames.
	data frames.
	e It provides a reliable of efficient communication between two or prove devices
	between two or more devices
	of each derice that willing unique identification
	of each device that sisides on a local report
1 special region of	The data line layer translates physical's raw
	The made a provide in
	which is added to the frame contains a hardware destination source adder
	- Callerin
(3)	Noting Packet Trailer
	The second land
	addressing tracks the location of device
	addressing, tracks the location of devices on the.
	· It determines the best make
1 &	proces of destination have on metal
	of Hetwork layer.
	of Metwork layer.
(4)	Transport layer :
	o This layer energes Hal
	in the order in which they are sent and there is no duplicate of data.
	there is no duplicate of data.
	나는 사람들이 있는 그 이 중에 다른 이번들을 내는 나타고 가는 이 사람들이 모르는 사람들이 되었다.



	Date:Page:
	· The main sesponsibility of transport layer is to transfer the data completely.
	them into smaller units as segments.
(5)	Session Layer
	naintain and synchronize the interaction between communicating devices.
(£)	Presentation layer: This layer is mainly concerned with the syntom and semantice of the information exchanged between the systems. The act as a data transfer for a
(7)	Application layer: This layer serves as a windows for users and application processes to access network dericas.
	service. of handle issues such as network transparency, perousce allocation, etc. of this layer provide network security for endusers.
	The same of the sa

Circuit switching: It is a method that is used when a declicated channel or circuit needs to be established. A channel used in circuit switching is kept reserved and applied only when two turns need to communicate. Example: Telephone Helwork Packet switching. It is a method of grouping data that is transmitted over a digital network into packets. At is a connectionless network switching method. example Ethemet, Internet Protocol, Uses data gram Protocol. nepork switching technique where the entire niessage is souted from the source node to the transmission mende destination node. example: Hop-by-hop Telex forwarding key difference = · In circuit switching method, message is received in the same order that is sent from the source whereas, in packet switching method, mersage are received out of order and are assembled at the destination.