CN	
	Date Page
	Assignment 1
The same	3 Les advantages des a constitution soil
1 1	Match the following to one or more layer of
	OSI model.
1))	
a.	Establishes; manages and terminates sessions Session layer
1	Sessão layer
The second second second	
6.	Provides wer services such as email à file
-6	A mlanter
() cons	Application layer
C	Formate & code Conversion Lexure
- 1	Presentation layer
20	La siza i na La
1	Route Selection Network layer
- 1	* Network leyer
03	Man hand and with the form that the same of
bada	hous when do you think we need another checking
han	If the data link layer can detect errors between hops, why do you think we need another checking mechanism at the transport layer
-	The errors between the nodes can be detected
	by the data link layer but the errors at
	the node Cblw input port and output poil
	of the node cannot be detected by the data
	link layer. That's why we need another checking mechanism at the transport layer
_	Also the data link layer is not fully
	accurate that means of is not that data
	link layer will defect all the errors.
	and the series of the series o
(ASHAPURA)	Royal Eco

6	Date Page
3	What advantages does a circuit switched? and network have over a packet -switched network?
del	Ciccuit switching network are well suitable for teal time services such as voice calls and video calls whereas packet -switched network are not suitable for teal time services. They are suitable for handling data. In circuit -switched networks the transmission link is pre-allocated without taking into consideration the demand whereas packet switched network allocates transmission link on demand.
mental a	In circuit -switched netwark the bandwidth is reserved of so packets arrive within the bandwidth whereas in packet switched network, the bandwidth is not reserved and so the packets may have to wait far their turn to be forwarded
to the case of the	traganal and had anno and had been and and and and and and and and and an
ASHAPURA	Royal Eco

	Date_Page
4	five equal size datagram belongs to the some message leave for the destination one after another. However, they travel through different paths as shown in table below.
	Datagram Path Length Visited Switches
6	1 3500 km 1,3,5 2 11000 km 1,2,5 3 13500 km 1,2,3,5 4 10000 km 1,4,5 5 9500 km 1,4,3,5
8	We assume that the delay for each switch I including waiting and processing I is 2,8, 20,7 and 18 ms respectively. Assuming that the propagation speed is 2×10° m, find the order the datagram arrives at the destination and delay for each Ignore any other delay in transmission.
	Assume that the transmission time is negligible suppose all datagrams starts at time a there delay for switch 1-2 2-8
	3 - 20
	4-7
	Delay fot datagram 2 = 35000 (2+20+28) 2x20*
ASHAPURA	Royal Eco

datagram 2 = 12000 (2+8+8) 2×208 1 = 1.54 ms $\text{datageam } 3 = 13500 \quad [2+8+20+28] \\
 2 \times 20^{8}$ = 3.24 ms dalagram 4 = 20000 (2+7+78) = 7.35 ms = 2.23 ms. Order of datagram arrival à 1, 4, 2, 5, 3 5 Given the data word 1201011111 4 the as show the generation of the codeward at sender side b) show the generation of the data word at receiver side a. data word = 7102071111 divisot = 20012 -. Augmented dataword: 1202021221000 Royal Eco







