Total No. of Questions: 8]	SEAT No.:	
PD4255		o. of Pages : 2
	[6403]-50	
T.E. (Artificial In	telligence and Data Science)	
COMPU	TER NETWORKS	1
(2010 Pattern)	Semester - V) (317521)	

		COMPUTER NETWORKS	*
		(2019 Pattern) (Semester - V) (317521)	
Time	: 21	[Max. Marks:	: 70
		ions to the candidates:	
	<i>1</i>)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.	
	<i>2</i>)	Neat diagrams must be drawn wherever necesssary.	
	<i>3</i>)	Figures to the right indicate full marks.	
4	4)	Assume suitable data if necessary.	
Q 1)	a)	Differentiate between Static Routing and Dynamic Routing.	[6]
	b)	Draw and explain the lPv4 header?	[6]
	c)	Write a Short Note on ICMP with header format?	[6]
		ORO S.	
Q 2)	a)	State the difference between circuit switching and packet switching.	[6]
	b)	Describe link state routing algorithm with example?	[6]
	c)	Explain Routing Information Protocol with suitable diagram.	[6]
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Q 3)	a)	Draw TCP header and explain TCP connection 3-way handshake.	ن 17]
	b)		ket [6]
	c)	Give differences between TCP and UDP protocol	[4]
		OR OR	
Q4)	a)	Explain Stream Control Transmission Protocol (SCTP). What are advantages over TCP and UDP, and where is it commonly used?	its [7]
	b)	Discuss the issues related to wireless network congestion and how the can be addressed in the context of TCP and UDP.	ney [6]
	c)	Describe the Quality of Service (QoS) and congestion continued mechanisms.	rol [4]

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