Total	No	o. of Questions : 8] SEAT No. :		
PB3791		91 [Total No. of Pages	[Total No. of Pages :2	
		T.E. (Artificial Intelligence and Data Science Engg.)		
		COMPUTER NETWORKS		
		(2019 Pattern) (Semester-I) (317521)		
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		[Max. Marks: sons to the candidates:	70	
	исн 1)	Solve Question Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.		
	2)	Figures to the right indicates full marks.		
	3)	Neat diagram must be drawn wherever necessary.		
4	4)	Assume suitable data, if necessary.		
<i>Q1</i>)	a)	Explain any two routing protocols.	[6]	
	b)	Write short note on Network Address Translation.	[6]	
	c)	Explain Link State Routing Algorithm with example.	[6]	
	- /	9.		
		ORO		
Q2)	a)	Explain Distance Vector Routing Algorithm with example.	[6]	
	b)	Explain.	[6]	
		i) Address Resolution Protocal (ARP)		
		ii) Internet Control Message Protocal (ICMP)		
	c)	Explain the concepts of classful (A, B, C, D & E) & Classless addressing	1g.	
			[6]	
<i>Q3</i>)	a)	Discuss the quality of service (QoS) parameters in computer network.	[6]	
	b)	What is the difference between TCP and UDP Explain TCP head	ler	

b) What is the difference between TCP and UDP, Explain TCP header format in detail. [6]

c) Explain RTP protocol in detail.

[5]

OR

Q4) a) Draw and Explain TCP header format in details? [6]

b) What are the techniques to improve Quality of Service (QoS)? [6]

c) Explain different elements of Transport protocal. [5]

P.T.O.

<i>Q5</i>)	a)	What is HTTP? Explain HTTP request and reply message format.	[6]
	b)	Explain SNMP protocol in details.	[6]
	c)	Explain DNS frame format.	[6]
		OR	
Q6)	a)	Explain FTP? Can we specify file transfer file in a Web page? Exp	
	1.	with the help of suitable example.	[6]
	b)	Explain simple mail transfer protocol.	[6]
	c)	Write a short note on i) POP3	[6]
		ii) TELNET	
Q 7)	a)	Explain IEEE 802.15 and IEEE 802.16 in details.	[6]
	b)	Explain Binary Exponential Back off Algorithm.	[6]
	c) (Explain various frame formats.	[5]
	V	OR	
Q8)	a)	Explain 802.11 a/b/g in details.	[6]
	b)	Explain CSMA/CD in details.	[6]
	c)	Differentiate between Pure ALOHA & Slotted ALOHA.	[5]
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		B. S. W.	
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F / 2 :			
[626	[2]-50	0	