Tota	ıl No	o. of Questions : 8]	SEAT No.:	7
P10	005	[5870] - 100	Total No. of Pages • 1	_ 2
		T.E. (Electronic & Teleco		
		COMPUTER NET	•	
		(2019 Pattern) (Semester - I) (3	04185 (D) (Elective-I)	
Time	e : 2:	½ Hours]	[Max. Marks : 70	)
Insti		ions to the candidates:		
	1) 2)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6 Neat diagrams must be drawn whenver nea		
	<i>3)</i>	Assume suitable data, if necessary.	tessury.	
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		CY 80°		
Q1)	a)	Explain the various performance par	rameters of network layer. [6]	
	b)	Explain the services provided by Ne	twork Layer. [6]	
	c)	Compare datagram switching and vin	tual circuit switching [6]	]
		OR		
<b>Q</b> 2)	a)	Explain error reporting messages, i		
		discovery messages and group memb	ersnip messages related to ICMPV6	
			[V	J
	b)	Explain the network id and host id.	[6]	
	c)	What is the difference between o		ĺ
		addressing? Concepts related to IPv	74 addresses.	
		£6.	<b>%</b>	
		,9.		
<b>()</b> 3)	۵)	Evaluin the uniquet routing and multi-	ignet routing arranged	1
<b>Q</b> 3)	a)	Explain the unicast routing and multi	icast routing protocol [8]	J
	b)	What is routing? Explain the distance	e vector routing algorithm [9]	
		OR		
<b>Q</b> 4)	a)	What is routing? Explain the link stat	te routing algorithm [8]	]
	b)	Explain inter-domain and intra-doma	in routing. [9]	l

*P.T.O.* 

<b>Q</b> 5)	a)	Explain TCP Connection establishment, TCP data transfer and T connection termination.	СР <b>[9]</b>
	b)	What are the duties of Transport Layer? List the services provided Transport Layer to upper layers.	by [ <b>9</b> ]
		OR	
Q6)	a)	Waht is congestion control? Explain the leaky bucket algorithm was suitable diagram.	vith <b>[9]</b>
	b)	Draw TCP header and explain function of each field.	[9]
Q7)	a)	Explain the DNS in detail.	[8]
	b)	Explain the architecture of E-mail.	[9]
		OR	
Q8)	a)	Explain the telnet protocol and FTP Protocol with diagram.	[8]
	b) §	Explain BOOTP and DHCP Protocol.	[9]
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