10/12/15-

CCN

B. E ETRX (VII) (CBUS)

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QP Code : 5985

	(3 Hours)	[lotal marks : ou	
	Instructions to candidates 1) Q.No. 1 is compulsory. 2) Solve any 3 questions f 3) Figures on right side inc	from the remaining 5 questions. licate full marks.	Marks
	Duration Time - 3 hours	Max. Morks -	80
Q.No 1	a) Explain the various Connectir	ng devices used in computer	05
	 b) Explain bit stuffing and unstuf c) Explain CSMA/CA method of d) Compare TCP and UDP. 	fing with respect to HDLC., random access.	05 05 05
Q.No 2	a) Explain the ISO-OSI model of	networks with the help of neat	10
	b) Explain the sliding window AF	Q used for error control	10
Q.No 3	a) Explain the various station typ modes and Frame formats in	es, Configurations, response HDLC	10
	b) Draw the TCP header format	with the help of a neat diagram.	10
Q.No.4	a) Explain circuit switching, pack switching.	et switching and message	10
	b) Explain how routers use link s routing table.	tate routing algorithm to create the	10
Q.No,5	a) List the various options used i each in brief.	n the IP datagram and explain	10
Q.No.6	b) Draw and discuss the Etherri Write short notes on	et frame format.	10
	 a) Guided and unguided media. b) Open loop congestion control. 		05
	 c) PPP Header format 3 d) Network topologies: 		05 05 05
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