	Sea			t Number:	
Duration: 2 <sup>1/2</sup> Hrs 54.5 — H45A23CN • Note:- 1) All questions are compulsory.  2) Figures to the right indicate maximum marks.				Marks:- 7	15
Q1. Attempt any "Four" of a 1. What are the components 2. How would you define top 3. Draw and explain the laye 4. What is latency and what 5. Explain multiplexing and d 6. How do LAN, MAN, and W	of a data commu cology and what a rs of the OSI mode are its four compo e-multiplexing wi	re the various type el. (CO1-U) onents? (CO1-U) th the help of a dia	es of topologies? (CC gram. (CO1-R)	(20 01-R)	)
Q2. Attempt any "Four" of t 1. Provide a brief explanation 2. How would you define tra 3. How do wired and wireles 4. What is error, and what ar 5. How would you define swi 6. What is the sampling theo	n of quantization? nsmission model as s media compared e the various type tching and what a	and what are its typd to each other? (Coes of errors? (CO1-L	O1-R) J)	, (20)	)
Q3. Attempt any "Four" of t 1. What is multiple access, ar 2. How would you define swi 3. Draw and explain the IPv4 4. What are the types of rout 5. Explain the services provide 6. Draw and explain the TCP I	Id what technique tching, and what a address format? (I ing algorithms and by the transpored by the transpored	es are used to deal are the different tyl CO2-A) d how do they worl rt layer. (CO2-A)	pes of switches. (CO	2-U)	(20)
Q4. Write short notes on: (ar 1. Bridges 2. Routers 3. TDM 4. Based band Transmission 5. Bit Rate 6. HUB	(CO2-A) (CO2-A) (CO1-U) (CO1-U) (CO1-A)				(15)