Duration: 3 Hours Total M		ırks: 80	
N.B.			
2. 3.	Question number <b>ONE</b> is compulsory Attempt any <b>THREE</b> questions from question 2 to 6 Figures to the right indicae full marks Assume suitable data if necessary		
Q1. A	Answer any <b>FOUR</b> from the following  (a) What are the different types of the classes of IP address?  (b) Compare TCP/IP vs OSI Model  (c) Explain the use of SSH  (d) Explain traditional Ethernet with neat diagram  (e) What parameters can be used to assess the performance of the network?	(20	
Q2.	<ul><li>(a) Explain the functions of each layer of the OSI reference model</li><li>(b) Explain subnetting with example</li></ul>	(10) (10)	
Q3.	<ul><li>(a) Discuss congestion and flow control in the network</li><li>(b) Explain sliding window protocol with neat diagram</li></ul>	(10) (10)	
Q4.	<ul><li>(a) Explain working of the DNS server with neat diagram</li><li>(b) Explain TCP connection establishment and termination using three-way handshaking</li></ul>	(10) (10)	
Q5.	(a) Explain the working of the CSMA/CD with neat diagram and flow chart (b) Explain IPv4 header format	(10) (10)	
Q6. V	Write short note on the following (Any four)  (a) Networking and Internetworking Devices (b) Timers in TCP protocol (c) HDLC (d) Slotted ALOHA (e) Guided and unguided transmission media	(20)	

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