M.Sc. (IT) Semester – 3

Paper – 9: Data Communication and Networking (3598)

Time: 2 ½ Hours March - 2017 Total Marks: 70

Q-1	a. What do you mean Computer network? Explain in detail.	07
	b. Explain Internet layered architecture.	07
	OR	
Q-1	a. Discuss protocols in brief.	07
	b. Give difference: LAN and WAN	07
Q-2	a. What is socket? Discuss connection in socket programming.	06
	b. Discuss the terms: HTTP, FTP, SMPT and DNS.	08
	OR	
Q-2	a. What is socket address? Explain socket programming in brief.	08
	b. Write a note on http and ftp.	06
Q-3	a. Explain two transport layer protocols in detail.	14
	OR	
Q-3	a. What is TCP? Explain in detail.	07
	b. Explain congestion control in depth.	07
Q-4	a. Write a note: routing algorithm.	07
	b. What do you mean by LAN address and ARP? Discuss indetail.	07
	OR	
Q-4	a. Discuss network layer.	07
	b. Discuss link layer.	07
Q-5	Explain computer network security in detail.	14
	OR	
Q-5	Discuss in detail: Network management.	14