Seat No.:	Ennalment Ma
Sear NO.	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (NEW) EXAMINATION - WINTER 2021 Subject Code:3150710

Date:27/12/2021

•		Jame: Computer Networks 30 PM TO 05:00 PM Total Marks: 70	
Instru			
	2. I 3. I	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	
Q.1	(a) (b) (c)		03 04 07
Q.2	(a) (b) (c)	What is HTTP? Differentiate its persistent and non-persistent types with request-response behavior of HTTP. Draw the layered architecture of OSI reference model and write at least two services provided by each layer of the model.	03 04 07
	(c)	Explain DHCP and Email in detail.	07
Q.3	(a) (b) (c)		03 04 07
Q.3	(a) (b) (c)	Discuss the principles of Reliable Data Transfer. Give difference between connection oriented and connectionless services.	03 04 07
Q.4	(a) (b) (c)		03 04 07
Q.4	(a) (b) (c)	Give differences between TCP and UDP. What is socket? Explain its importance at transport layer protocols.	03 04 07
Q.5	(a) (b) (c)	Explain CRC code generation with example.	03 04 07
Q.5	(a) (b)	Discuss parity check for error detection in data transfer. What do you mean by random access protocols? Explain slotted ALOHA in brief.	03 04
	(c)	Draw and explain Ethernet Frame Structure.	07
