Seat N	No.: _	Enrolment No	Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY			
		ME SEMESTER 1 – EXAMINATION – WINTER 2014			
Subj	ect c	ode: 2710505 Date: 12/	Date: 12/01/2015		
•		Name: Telecom switching system, Networks and Network Manago	ement		
Time	e:2:3	0 to 5:00 Pm Total Ma	arks: 70		
Instr	uctio	ons:			
		Attempt all questions.			
		Make suitable assumptions wherever necessary.			
	3.	Figures to the right indicate full marks.			
Q.1	(a)	What is meant by Stored Program Control? Draw and explain organization of a distributed SPC.	07		
	<b>(b)</b>	Compare manual and automatic switching systems.	07		
Q.2	(a)	Discuss call congestion and time congestion in detail.	07		
	<b>(b)</b>	Explain briefly five-stage switching network.	07		
		OR			
	<b>(b)</b>	Explain time slot interchange switch.	07		
Q.3	(a)	Explain types of optical fibers and fiber optic transmission system.	07		
C	(b)	Define: i) Grade of service ii) Blocking Probability iii) Folded Network iv) BHCA v) Centum call second vi) Peak Busy Hour vii) Fully Connected Network.	07		
		OR			
<b>Q.3</b>	(a)	Explain the evolution of telecommunication systems.	07		
	<b>(b)</b>	Write a short note on Cellular mobile telephony system.	07		
Q.4	(a)	Write a short note on major changes in SNMP.	07		
	<b>(b)</b>	Explain RMON1 textual conventions.	07		
		OR			
<b>Q.4</b>	(a)	Write a short note on Remote Monitoring(RMON).	07		
	<b>(b)</b>	Explain different traffic monitoring tools.	07		
Q.5	(a)	Explain SNMP system architecture.	07		
	<b>(b)</b>	Explain Satellite based data networks.	07		

OR

Q.5	(a)	What are basic software tools of network management.	07
	<b>(b)</b>	Write a short note on ISDN.	07

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