	Gu	ru Nanak Dev Er	ngineering College, Ludhi						
2000	Departm	ent of Electronic	and Conege, Ludhis	ana					
rogram		B.Tech.(ECE) Semester			gineering				
ubject Code		OEEC-102	Semester	Basics of Electronics					
		OLEC-102	Subject Title						
lid Semester Test (MST) lo, Max. Marks		2		Communication					
			Course Coordinator(s)	Pf. Simranjit Kaur Pf. Harleen Kaur					
Date of MST		24	Time Duration	7.77		our 30 minutes			
		2 nd June, 2022	Roll Number		1214 1114				
Note: At	tempt all questions								
Q. No.	0.0								
Q1	Post to a	COs, RBT level	M						
Q1	Explain the need o	CO5, CO6							
62	communication sys	L2, L3							
Q2 Q3	Evaluate the modul	CO5, L5							
	ringinight the advantages of Digital communication system over analog CO6, CO5								
Q4	Illustrate the working	CO6.							
	Illustrate the working of BPSK (Binary Phase Shift Keying) transmitter with the help of block diagram. Draw the truth table and constellation diagram for the same								
Q5	Differentiate between the analog modulation techniques AM, FM and CO5, L4								
Q6	With the help of oscillators. Explair various types of RC	CO3 L4	8						
Student	Outcomes (CO) s will be able to		The Manager Co.						
1	Apply the knowled	ge of working princi	ple of diode for utilization in	Al cc.					
2	Tippiy the knowled	ge of working princi	ple of transistor for utilization	10	CC				
3	oscillators.	e concept of feedbar	ok in amplifiers and applying	for de	signing LC an	d R			
4	Comprehend the basic concept of Binary Number System and apply for Bank								
5	remary 20 periormano	e of different types	of analog modulation technic	ues Do	olean problem	S.			
6	Analyze performance of different types of analog modulation techniques. Demonstrate the concepts of digital modulation techniques.								

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RBT Classification	Lower Order Thinking Levels (LOTS)			Higher Order Thinking Levels (HOTS		
RBT Level Number	L1	L2	L3	L4	L5	L6
RBT Level Name	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating