Digital Communication (ETEC-303) DATE: 20-10-2021 TEST-1 dry 1 1101100011 Binary dala Polar anatenacy Inverie - Differential Mandrester MDBN line wide wavefor in 0,0000 0 Bit segnena 00 0 10 at hack 3 Warryon -A 0

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9	Am 2. (+100096) MOTO OUT MADE 1, 18/10
3	Exigence of Manchester, Eipolar, & Polar Qualenary
3	DISADVANTAGES
9	Bipolar
	- No clock signal is prosent for me
	- long string of binary days with continuous
1	→ No Clock signal is prosent for use → long string of binary daya with continuous I's and O's cause long synchronization
17	MANCHESTER 1915HAR IMMENY
1)	
1)	required that more bits be transmitted then
0	ture is me original signal
0	
-	POLAR QUATENARY
-	Folcer NRZ-1 man polar NRZ-10 ale
7	Regnived trouce as much both bandwidth than polar NRZ-L. or polar NRZ-I
1	molar NR7-L or polar NRZ-I
	- Landing
7	Ripolan & Polan anaterary & Manufester
•	Tonder og line codne techniques 7
-	order of line coding fechniques of andwider

	DATE:
	2
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4 x 10 mg	the west
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difference of	holon W
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X	3

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	DATE:
Aus 4. REGENERATIVE R	REPEATER
for any communication system it should transmit and effectively & without any loss	tem po be reliable el receire signal
gets dissorted due to moise by the channel.	introduced introduced
B. I. M.	
Driginal Resulting	Restored pulse
for better refersalition in called as regenerative or employed in path before regularity occurred	epeoter sound is
distorted PCM -9 and Familiar Familiar	Decision marie regens device regens Pear want want circurs

78		
	DATE:	
山多	Aus 6. g(+) = 10 Sin (200 m+)	1 and
40	as (SN'R) dB = 6.02 mp + 1.76	
10	n 2 5ets quantization	1
	CINK) db = 6.02×10 + 1.76 = 60.2 + 1.76	
	2 61,96dB	
10	b) SNRZ (1.8+ 6n) XB	,
6	40c 1,8 +6n	
13	40-1.8 = 6 n	
13	6n z 38.2	
13	m = 38.2 = 2 6.366	
3	n≈6 2	
9		
1		

	DATE:
Am).	Linsential
	mellicuster (1 50 ) (AM)
A 1	1101100001
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