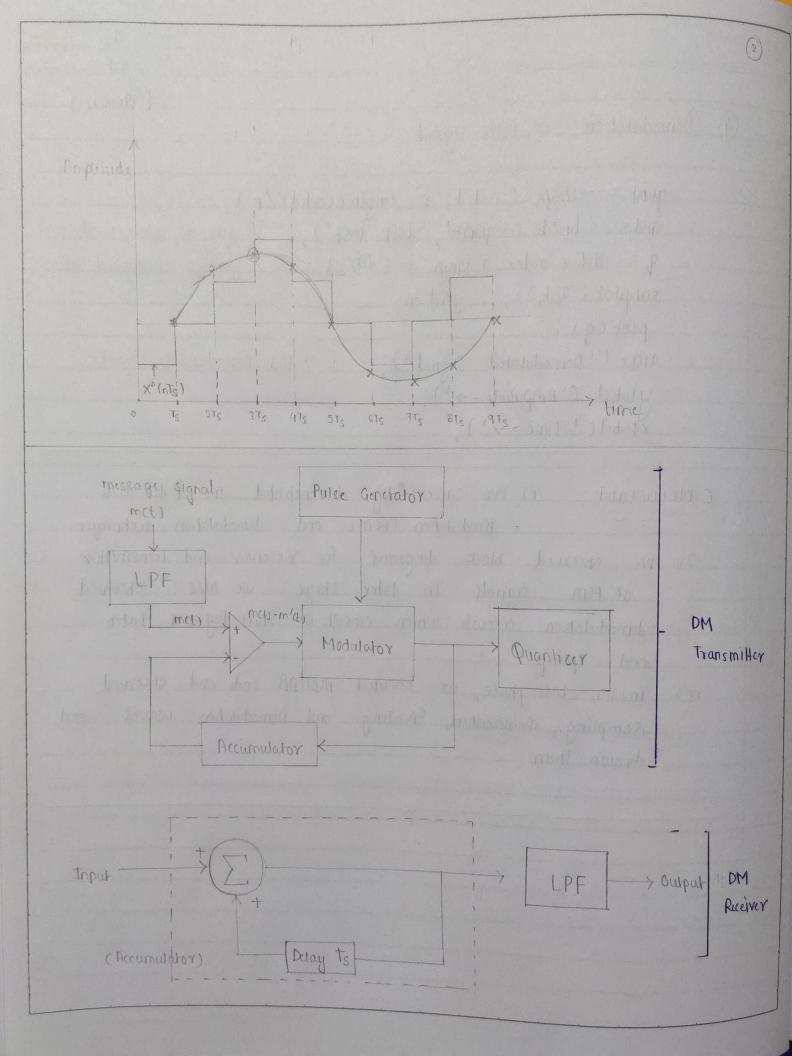
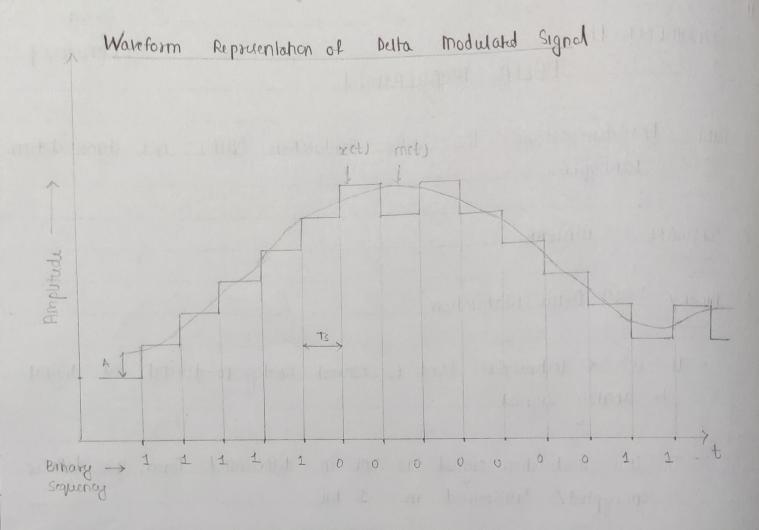
EXPT.	NAME: Page No.: 1 Date: 28 Oct
	EXPERIMENT-11
	DELTA MODULATION
<i>></i>	AIM: To demonstrate the delta modulation (DM) and demodulation Technique.
>	SOFTWARE: MATLAB
>	THEORY: 1 Delta Modulation
	- It is a technique used to convert analog-to-digital and digital- to-analog signal.
	- In this modulation signal is sent in differential form, the data is encrypted transmitted in 1 bit.
	- The analog signal is approximated with series of segments and each segment is compared to original analog to determine the change in relative Ampulade.
	- Huno, only changes in information is sent and if no change occurs it remains on the same state.
	- This is the simplified torm of Differential Pulse Code modulation and also called as I bif so a level) version of Decm.
	- It provides a staircase approximation of over-sampled base-bond signal. Here, the difference between the present sample and
	Teacher's Signature:



Teacher's Signature:



he many to have some telegrange a large solver of

the state of the s

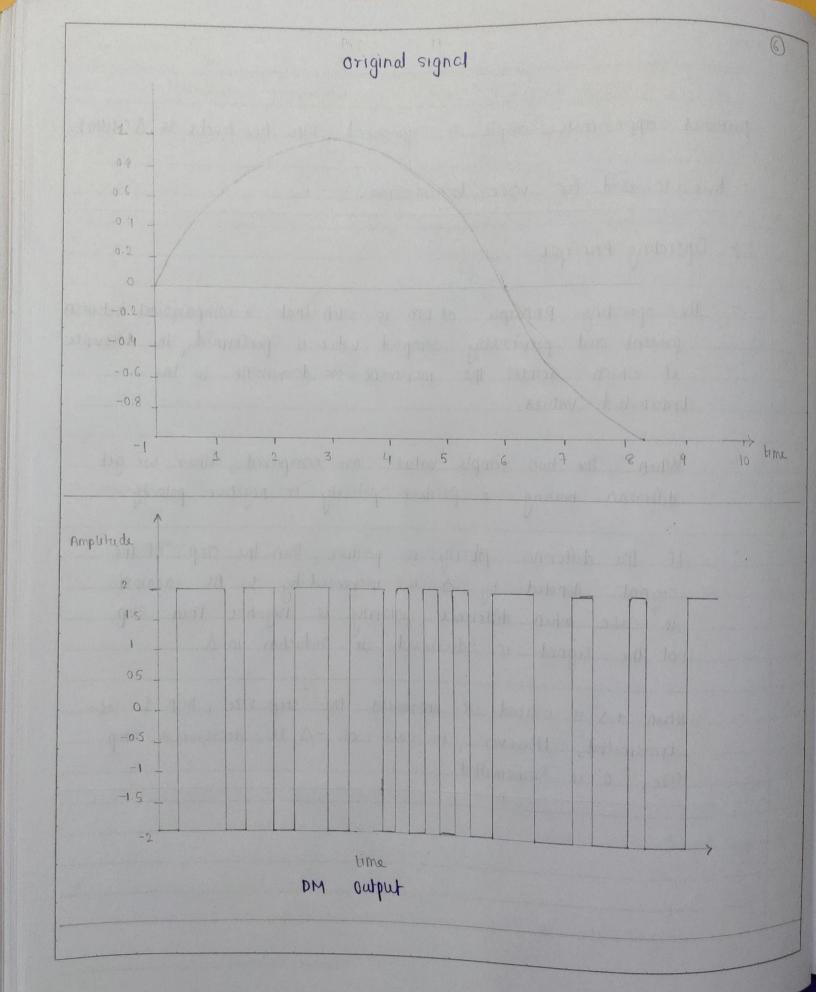
population and beneathly to me have

calls to make about 2 and the first

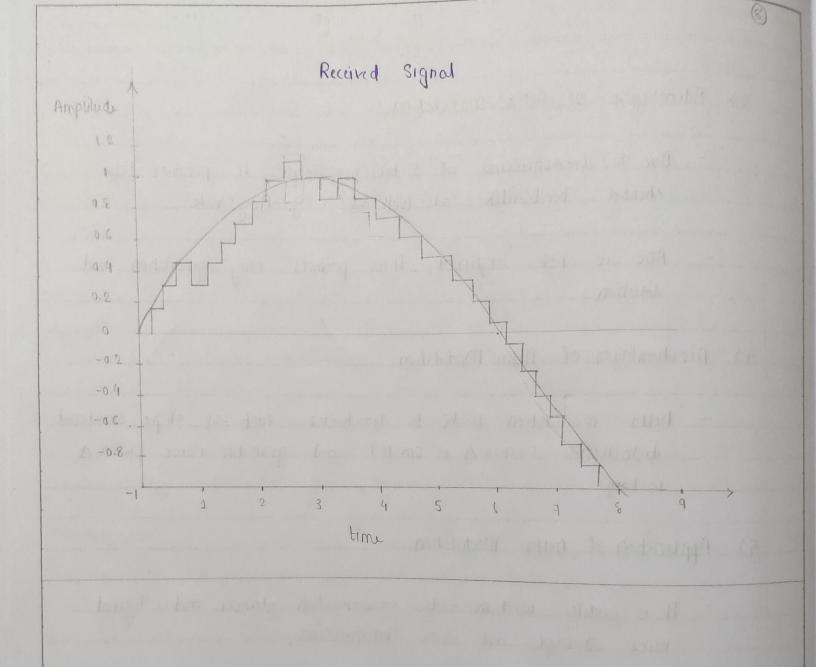
the state of the s

An again to be a sense when he was a first

EXPT.	NAME:		Page No.: (5)	YOUVA
			Date:	5
	3>	Advontages of Delta Modulation		44
		- Due to transmission of 1 bit per sample, it possessed bondwidth as well as signaling ra		
		- ADC is not required thus permits easy ;	generation on	d
	4.>	Disadvantages of Delta Modulahan		
		- Delta modulation leads to drawbacks such as distortion (when & is small) and granular is large.	slope over	10ad
	5.)	Application of Delta Modulation		
		- It is widely used in radio communication devices voice storage and voice transmission.	and digital	
		Teacher's Signature:		



Teacher's Signature:



EXPT.	NAME:
	Date: 28 OCT
	[1905012]
	stairs (t, decoded x);
	gnd;
	×label ('time');
	title ('seceived signal');
,	
7	CONCLUSION: We have successfully understood and demonstrand
	the delta modulation com) and demodulation technique.
	and also ventred it with sompled, quantized rencoded
	and decoded time domain signal using MATLAB in
	Virtual LAB mode
	X
	END OF DOM JOURNAL
	SUBMITTED BY:
	BHAGYA VINOD RAND [U19 CSO 12]
	[A-Div] [D-12]
	C. S. E, SVNIT (2nd yr)
	O Company of the comp

Teacher's Signature: