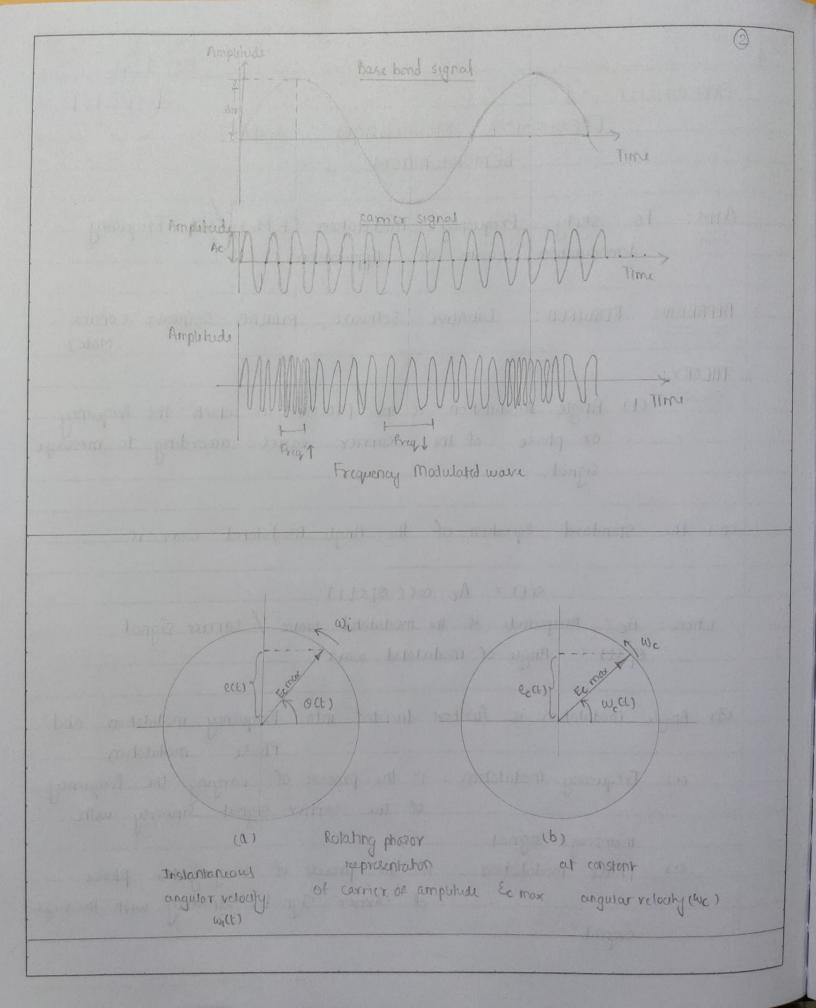
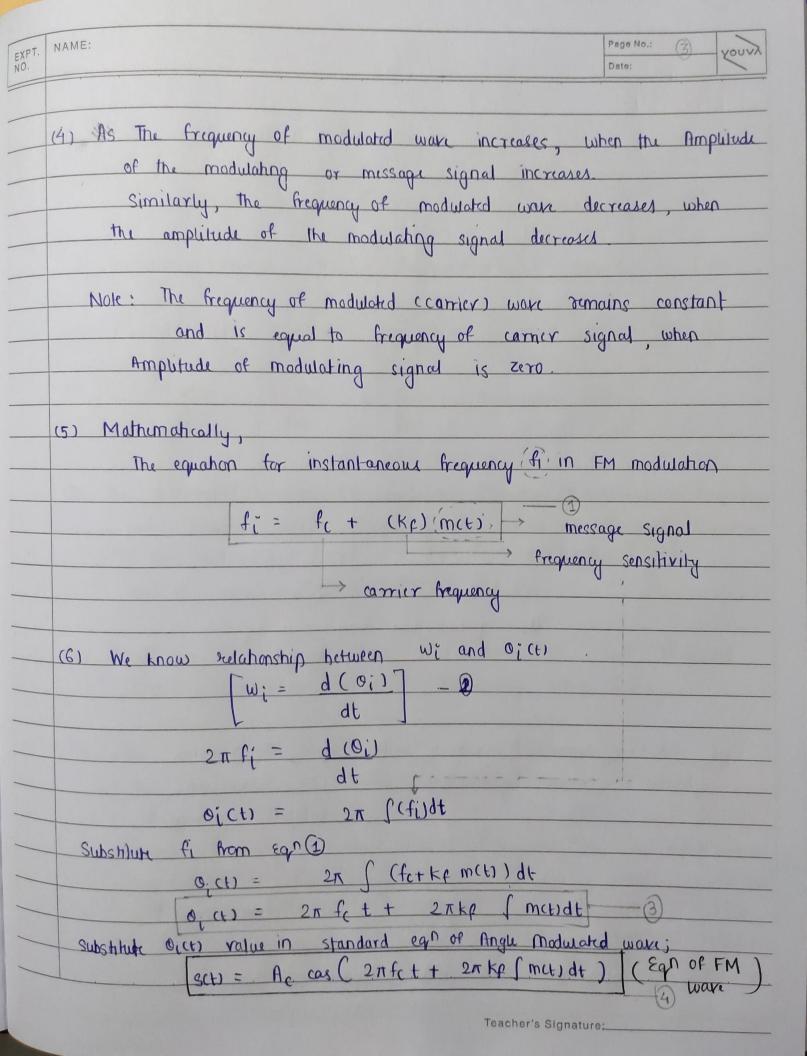
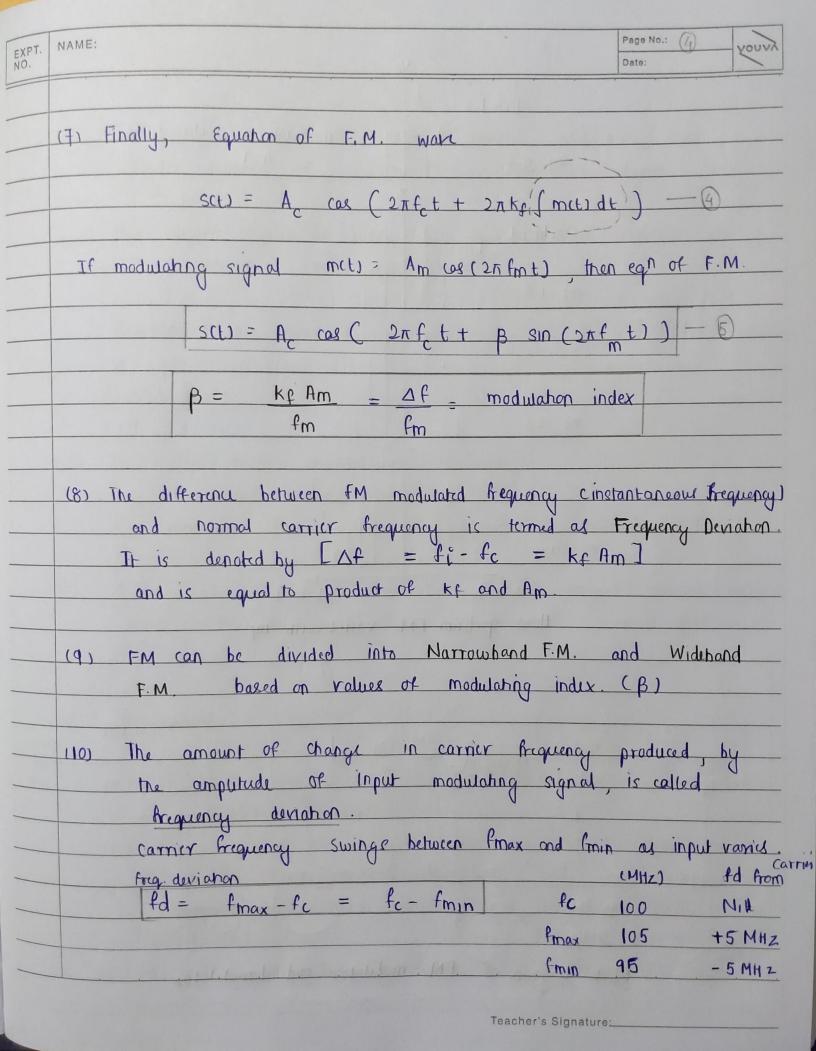
EXPT. NO.4	NAME: Page No.: 1 Date: 9 Sept			
	EXPERIMENT 4: DIJACSO12]			
	FREQUENCY MODULATION AND			
	DEMODULATION			
	AIM! To study toward to the CEMP and Every over			
	demodulation with its Application (F.M.) and Frequency			
>	APPARATUS REQUIRED: LabAlive Software, MATLAB Software Contine Mode)			
>	THEORY:			
	(1) Angle Modulation is the Process in which the Brequency			
	or phase of the carrier varies according to message			
	Signal.			
	(2) The Standard Egreation of the Angle Modulated wave is			
	$S(t) = A_{c} cos(O_{c}(t))$			
	where Ac = Amplitude of the modulated wave / carrier signal O; (t) = Angle of modulated wave.			
	3) Angle modulation is further divided into Frequency modulation and Phase modulation			
	of the carrier signal linearly with			
	meessage signal.			
	(1) Phase modulation: Is the process of varying the phase			
	of carrier signal linearly with nessage			
	signal.			

Teacher's Signature:__







EXPT.	NAME:	Page No.:	Youva
		Date: 9 Sept	
	% Demodulation	[1195012]	
- 1	z = fmdemod (y, fc, fs, fdev);		
	subplot (5,1,4)		
	plot (t,z)		
	title ('Demodulated FM signal');		
	Signey 3		
	% Plot the Greguency spectra		
	a= fftshift (fft (y)) xts;		
	delta = fs/length(a);		
	f = -fs/2; delta: fs/2-delta;		
	subplot (5,1,15)		
	plot cf, obccar)		
	title (Magnitude spectrum of FM signal ');		
,			
	CONCLUSION: We have success fully verified and		.10han
	the concept of Frequency modulation using MATLAB and also learnt ranous application		
	using MATLAB and also learnt ranous application) V	
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	Teacher's Signature:		