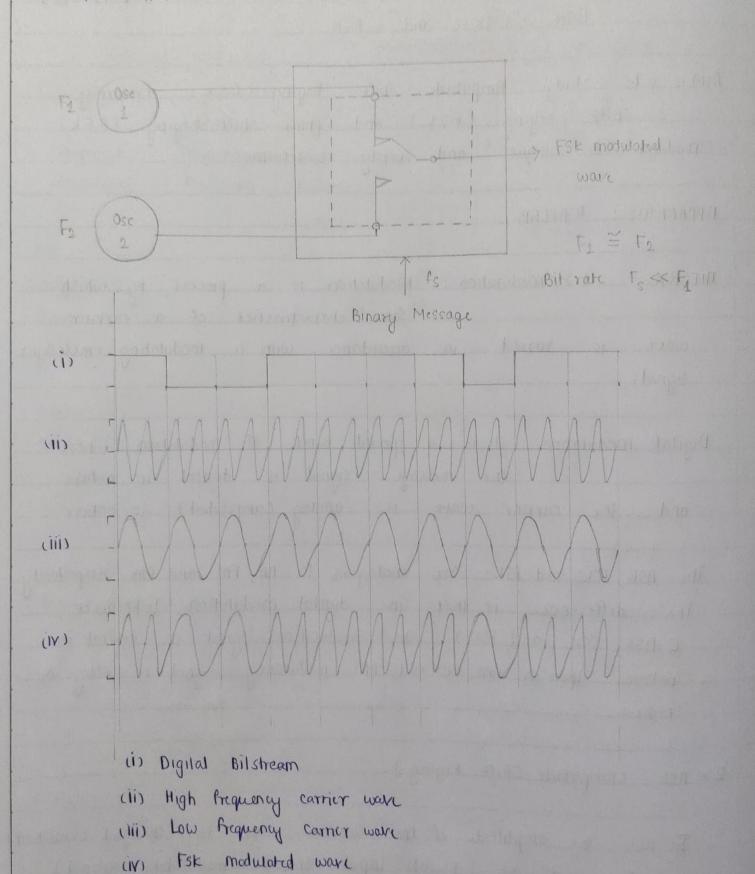
EXPT. NO. 6	NAME:	Page No.: 1	Konny
		[UI9CSQ1	
	ASK, FSK and PSK		
	AIM: To study Amputude Shift keying CASK.) Shift keying (F.S.K.) and phase shift key modulation Technique and verify wakeforms.	Frequency ging (P.S.K)	
	APPARATUS: MATLAB		
	THEORY: 1.> modulation: Modulation is a process Some characteristics of	V	
	wave is varied in accordance with a modesignal.	wahng cmess	age)
	Digital modulation: It is a special kind of module the mustage signal is digital and the carrier wave is analog crinusodial)	in nature	
	The Ask, Fsk and Psk are analogous to Am, Fm and		
	The difference is that in digital modulation C ASK, FSK and PSK) the modulation signal is nature. While in Am, Fm and PM modulating signal nature.	techniques c digital in	
	2.> ASK (Amplifiede Shift keying)		
	In Ask, the amplitude of the carrier wave is according to the digital input signal considuration	changed cswil	thed)
	Teacher's Signature:		

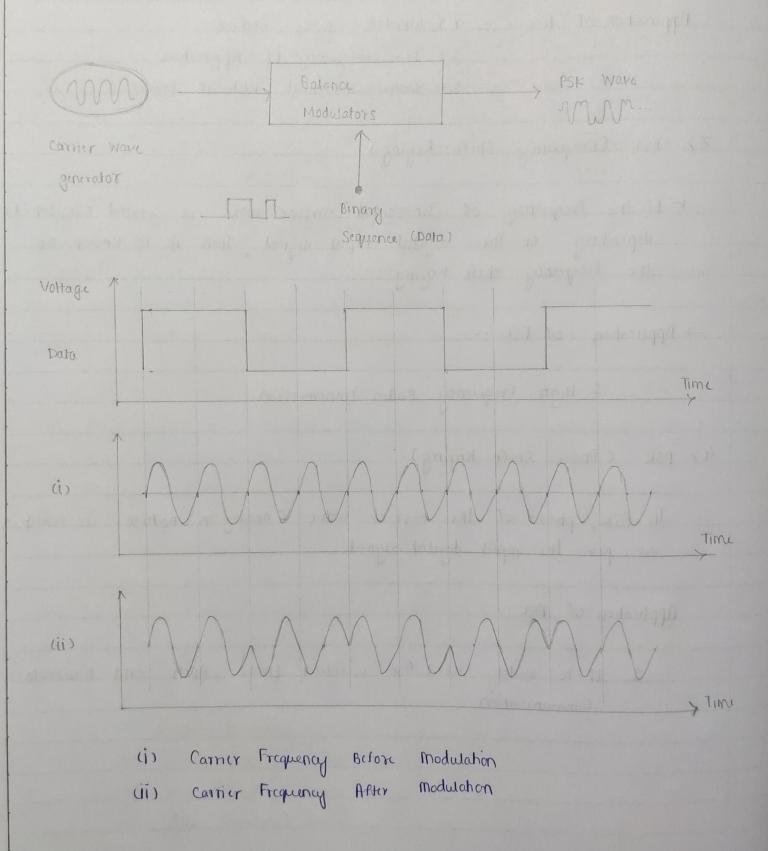
EXPT.	NAME: Page No.: 3 Date:
	Application of Ask: 1.) Wireless Base station
	2.) Low Frequency RF Application
	3.) Instru Industrial Network Devial
	3.) FSK (Frequency Shift keying)
	If the frequency of sinosoidal carrier wave is varied (switched) depending on the digital input signal, then it is known as the frequency shift keying.
	-> Application of FSK:-
	1. High Frequency Radio Transmission
	4.7 psk (Phase Shift keying)
	In PSK, phase of the carrier wave (analog in nature) is switched as per the input digital signal.
	Application of PSK:
	1. It is widely used for wireless LANS RFID and Bluetooth communication

Teacher's Signature:

Generation of FSK



Generation of PSK



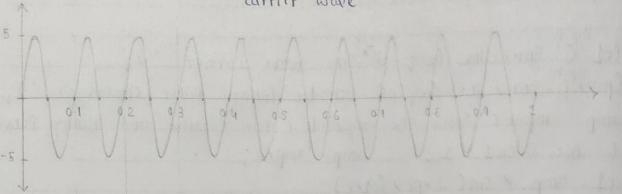
Teacher's Signature:

ASK:

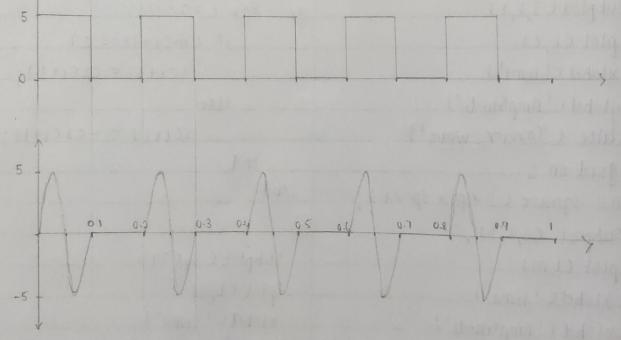
--- Amplitude

3.> FC = 10 HZ Fp = 5 HZ Amp = 5

carrier wave



Binary Mussage Pulse



Ask Modulated wave

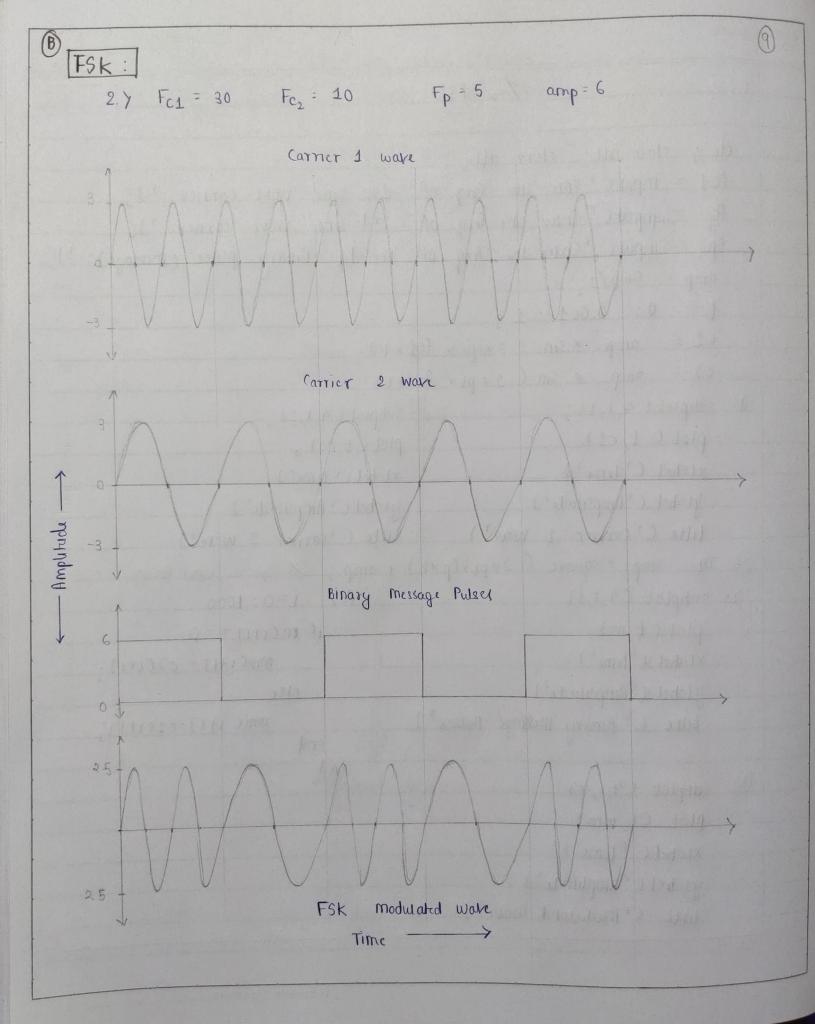
Time ->

plot (4,1,4)

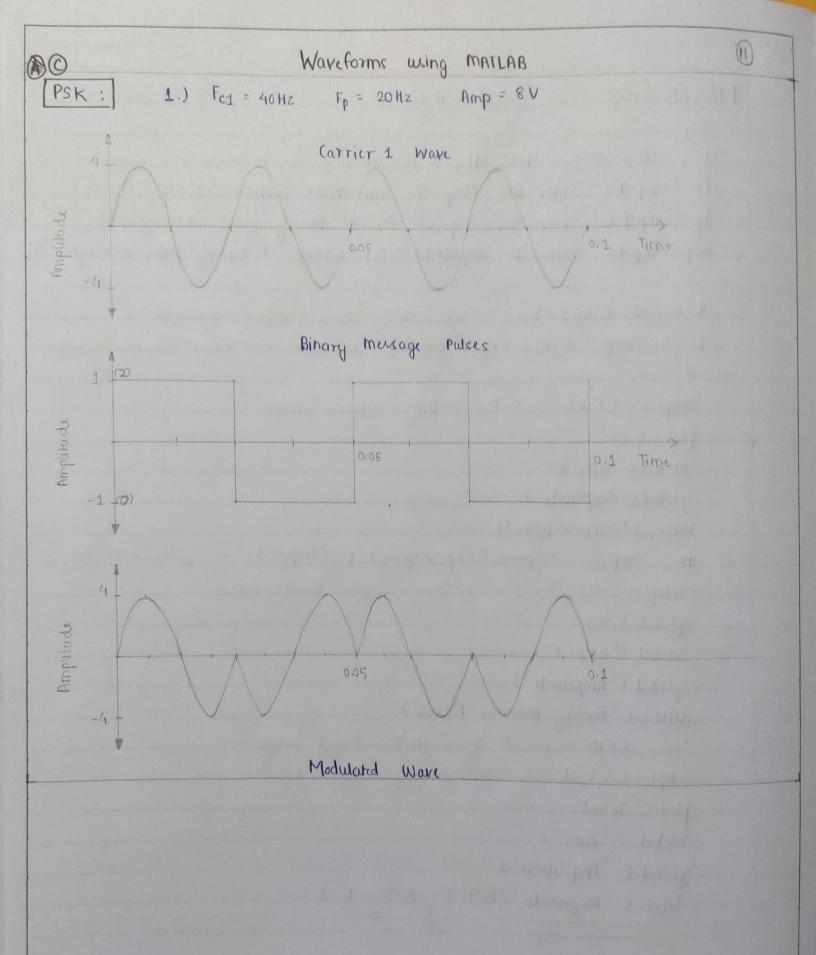
plot (time')

ylabel ('Amplitude')

title ('modulated wave))



Teacher's Signature:



EXPT.	NAME:				Pag	23 Sept.	YOUVA
NO.			Antonia Made	14 - 12 - 12 - 12 - 12 - 12 - 14	Dat	23 Sept	
						Eugcs012	1
	CONCI	USION:					
	.)	1 / 1				Tale 1	1.1.0
	1)	We have	successfully	studied ASK, PSK their workforms u schematic diagra	and	ISK modu	lanai
		technique	and verified	their waveforms u	Bury	MAILAB.	
		We also	observed the	schematic diagra	une tox	ASK, FSK	
		& PSK.		V			
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Teacher's Signature:__