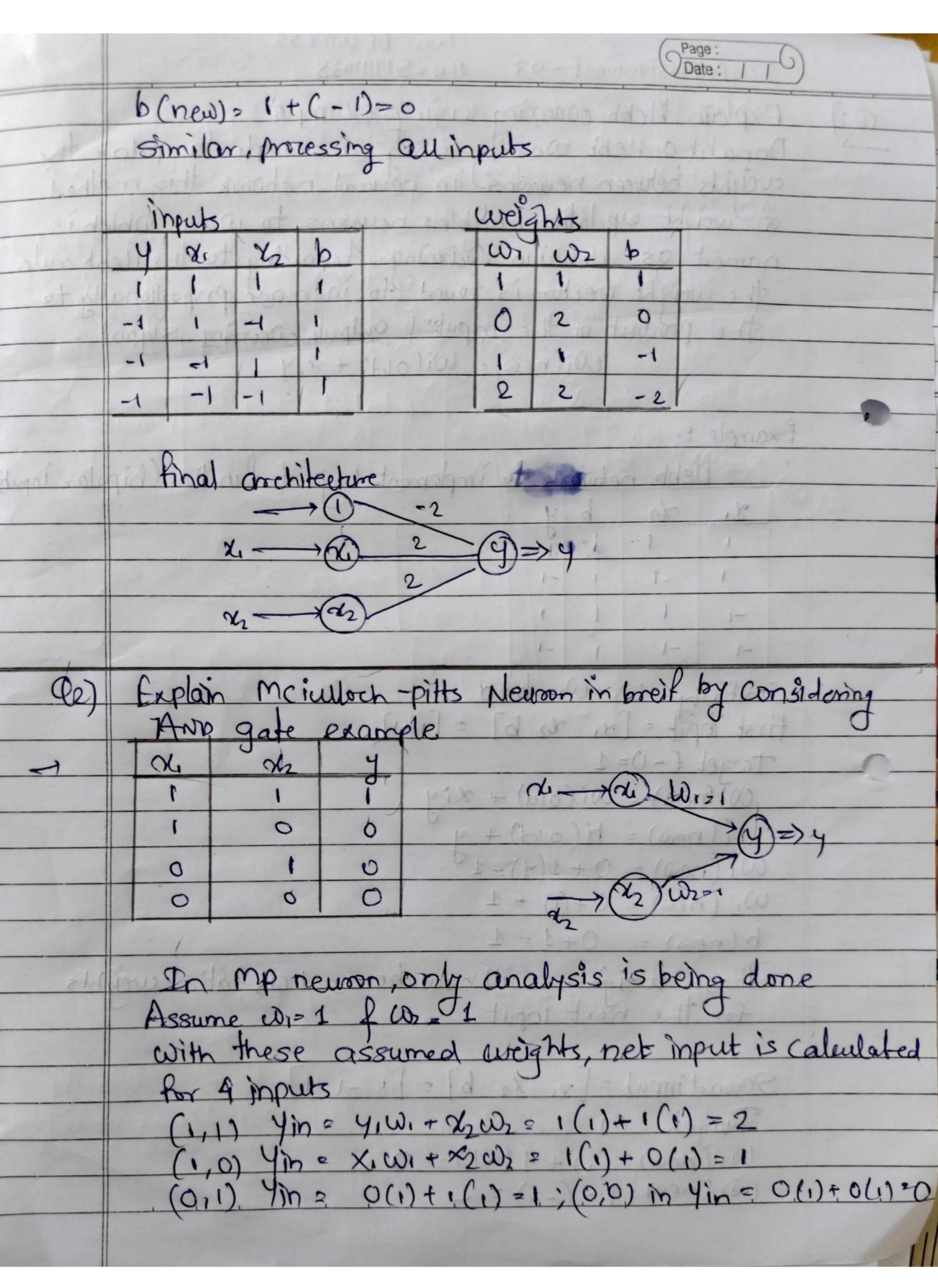
	Name = fraddyumn hladevan						
	SCOA Assignment-03 Class= BE compss Page: Date: 1						
(Pi)	Explain Hebb chaming using example						
->	Donald 0. Hebb warring using an example to update the weights between neurons in neural network this method of weight updation enables neurons to warn which is						
	named as Hebbian warning. According to the Hebb rule the weight vector is found to increase propostionally to the product of the input of output warning signal						
	Wi(new) = Wi(old) + 24						
-	1977 1878 1878 1878 1878 1878 1878 1878						
	Example &						
	Hebb network to implement Logic of Function (bipolar inputs)						
- 6	de de						
pains	First input = $[x_1, x_2, b] = [1+i]$						
	Target {-1)=1						
	wither = wi (old) + xiy						
	= bi (new) = bi (0100) + 4						
	$wi(new) = 0 + 1(1) = 1^{-1}$						
	$W_2(\text{new}) = 0 + (i) = 1$						
	b (new) = 0+1=1						
	These weights will now be used as initial weights						
	for the next input						
Johnson	vai tugal tad theims bosoured sont Hill						
	Saundinput = [x x b] = [1-1]						
	Target = -1						
	Wi(nes)=(1)+1(-1)=0						
110+0	(w2 (new) = 1 - (-1) = 2						



		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Page: Date: /	76)	
	for AND function of is high it both inputs are							
	high Net ilp calculate is 2 Threshold = 2 in $Y = f(y,n) = f(y,$							
		- Net	ilp c	alculat	e is 2			
		· Three	shold:	2,	•			
		· 9 :	2 x (y,	n)=	4 , Yin	22		
				Markey Markey	10,4	in 12		
0007	Imal	omant A	nm l	15.	100 C	/11 1 ASI		
	SImplement Ano function using McCallock-Pits neuron? As we know the them fruth table of Ano function							
	The show in Am of the state of AND runeton							
	There fore in AND function, the output will be High or 1, if both inputs are high							
		, 11 0011	inpu	13 0/16	The same	an are going		
	• 7	ruth Table	e of #	ut and	no time	- 12		
		1 3 3 19 1	TA A PET	+10	I CITO'I			
		X	X2		9 1			
		1	0	No.	6			
	1/10				1			
		0	0	1991	0	Was to the same of		
-	7	0	0		0			
	16			5 2 3/				
	· lets assume two weights $\omega_1 = \omega_{2} = 1$ for the inputs							
	1 3	1/00/11/		J	,	100 110	Inpus	
	· Cal	aulating 1	let I	put :-		berger to	De continue de	
	Jym= X, *W, + X2 * W2							
	Sc) based o	m cebo	ove for	mula cur c	are anima to		
	So based on cubove formula are are going to calculate Net Input							
	X.	Wi	X	W2	Yim	y		
	1		1	1	2	1		
	1	1	6	-	1	0		
	0	V	1	1		0		
	0		0	1	0	6		
1	-	-						

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· Calculate threeshold value?					
	0 ≥ nw-p				
S. COCOLO	n= number of inputs w= positive weights P= negative weights So threshold value will be 0=2x1-1,022				
	• Defining activation function $ Y = f(Yym) = \begin{cases} 4 & \text{if } Ym > 2 \\ 0 & \text{if } Ym < 2 \end{cases} $ $ [0 > 2] $				
	Spain the aft 1 sous - 10 adding to 6th regions to 2 to 2				
	The top to the state of the sta				
	ad juliage for all adversed to modes to bounded				