	Date	
<u> </u>	1SHMEET KAUR	
8	2015042	-
ques 1.	No. NOR is not linearly separate.	
	Neural network with linear activation can't	6
		2
	1 - F ( w.   w, x + b) + b2) 5 5 VM W/Th	2
	y- f ( witten linear function	6
	f(x) = B(Ax + a) + b	G.
	= BAX + Ba+ b	
	const consit	
	: f(n) = (1x + (2	6
	the state of the s	6
0	Relu : performs better man sigmoid	
ques 2		
	weight that gradent from the	
	$\sim 1.4  \text{H} \cdot \text{M} \cdot$	
	- So, neep the learning law tou.	
	Sigmoid: when figured neuron's activation  Saturates at 0/1, gradient - 0	
	saturates at 0/1, gradient -10	
	Ties ciampled saturation and grant	
	: 00 flow through relicons	
	: Initialise meight by entra 1	
	: start with low weights	
		E
gus 3.	for quadratic, error 7, Learning rat +	
	$C = (y a)^2$	
	2	
	$a = \sigma(z)$	
	$\frac{\partial C}{\partial x} = (a-y) \sigma(z) x = a \sigma(z)$	
	9 M	
	"The best Vitamin to be a Happy"	~

