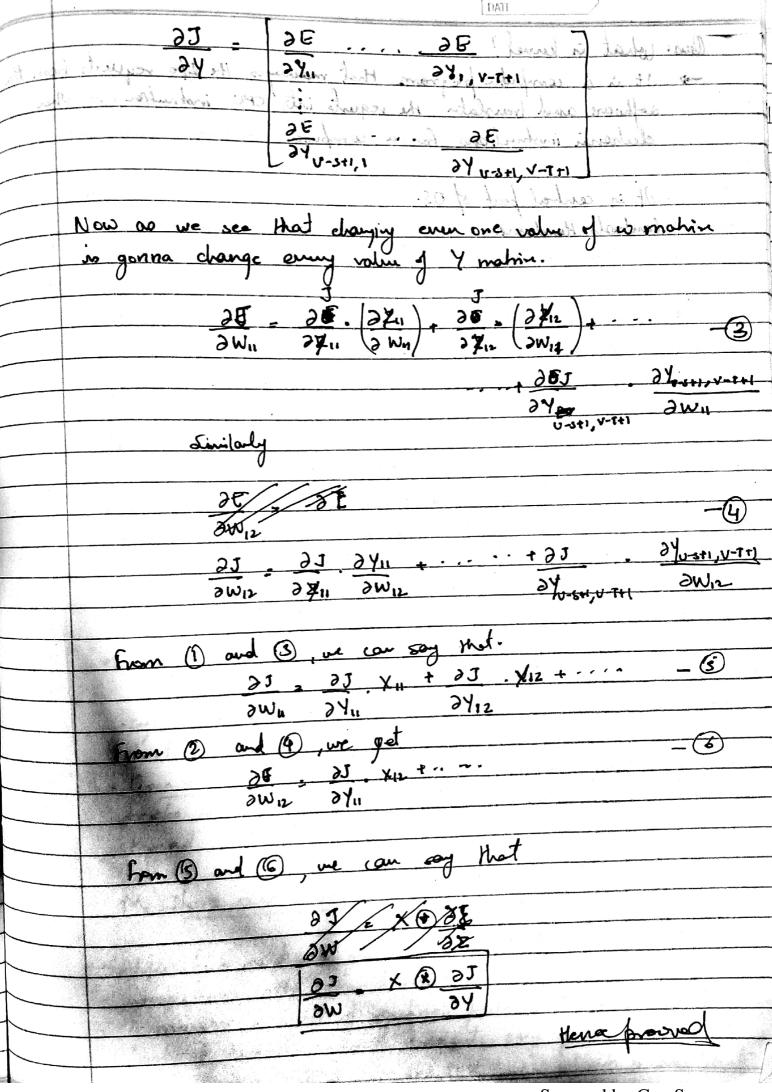
	Marine: Long answer dates
	PAGE NO.
	Assignment - 2 Deep Learning: Theory and Practice
	Assignment and Practice
and the second second second	Deep Learning - Inter-
	Input Image = X(U,V) Weight littles = W(S,T)
	Weight fitters = W(S,T)
	There are k filters
	V = X W W
	$ \frac{1}{\sqrt{k}} = \sum_{i=0}^{51} \sum_{j=0}^{74} \chi(p+i,q+j) W^{k}(i,j) $ (p,v) i=0 j=0
	$\sqrt{k} = \sum \times (p+i,q+j) W^{*}(i,j)$
	(r.v) ind ind
	1 1 1 VK (U-S+1, V-T+1)
	Size of output Image: Yk = (U-S+1, V-T+1)
· .	Cort Function = Jan 3 photos
	(original)
	To proove: $\frac{\partial J}{\partial W^{k}} = \frac{\partial J}{\partial Y^{k}}$
EDA E	3W- 3Y-
	After convolving
	17 th Sir Contract of the Cont
	Yu = Wn Xy + W12 X12 + + W14 X3
	+ : - 0
	T Was Xas
	Wexxes
	dinlaite
· · · · · · · · · · · · · · · · · · ·	400.3
	Yn = W11 X 12 + W12 X 13 + + W17 X 1 (TH)
	(2)
- 050	
	Welxens + + Welx BCI+11
-	



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