Q2) Unit 6 Exam Let xo = 1 Jan all e.  $\frac{df^{i_t}}{d\omega_k} = (\hat{y}^{i_t} - \hat{y}^{i_t}) \frac{d\hat{y}^{i_t}}{d\omega_k} + 2\lambda \omega_k$ as t'(w) = 1 (y'' - y') + 1 = w, 2 Now, dit = dit dzit duck where z't = \( \frac{1}{2} \omega\_{\infty} \chi\_{\infty} \frac{1}{2} \omega\_{\infty} \chi\_{\infty} \frac{1}{2} \omega\_{\infty} \frac{1}{2} \om of it is a jugge reuron. Thuy dy'it = 50, Z't < -1/2