



Benha University

2nd Term (May 2015) Lab Exam

Class: 4th Year Students

Subject: Neural Network



Faculty of Computers & Informatics

Date: 16/5/2015

Time: 1 hours

Version: A

Your Name:

Answer the following questions:

- 1- Compare between Quickprop & backprop(hint by advantage/disadvantage & updated weight equation)?
- 2- In Quickprop algorithm, what is a paraboloid (hint by drawing)?
- 3- Discuss how to classify And problem using single perceptron.
- 4- Train the perceptron to classify according to (4,5) -> yes & (6,1) -> yes & (4,1) -> no (1,2) ->no. there will be three weights (w_0, w_1, w_2) as (0, +1 , -1) and $x_0 = -1$ & learning rate = 1. (hint draw the training data then i need the first epoch)

*Good Luck
TA: Mohamed Loey*