

National University of Computer and Emerging Sciences, Lahore Campus



Course:	AI	Course Code:	CS401
Program:	BS(Computer Science)	Semester:	Spring 2017
Duration:	10 Min	Total Marks:	5
Paper Date:	20-04-17	Weight	%
Section:	E	Page(s):	
Exam:	Quiz 4	Reg. No	

Instruction/Notes:

Question1 (5)

Given that we have a training data containing 6 features $\{x_1, x_2, \dots, x_{10}\}$ and two outputs $\{y_1, y_2\}$ for certain classification problem. This problem is not linearly separable, however if we transform data into 3D (using some function) it becomes linearly separable.

Draw an Artificial Neural Network architecture for above problem.