

In The Name of God, The Compassionate, The Merciful

Name:

Student ID#:

**Statistical Pattern Recognition (CE-725)
Department of Computer Engineering
Quiz #1 (Overview & Introductory Materials) - Spring 2010**

1.a (6 points) What is the problem of under-fitting and over-fitting in pattern classification?

1.b (4 points) Does the size of the data set affect the over-fitting problem on a given model?
Why?