

City University
Faculty of Science & Engineering
Department of Computer Science and Engineering
CSE 418: Artificial Intelligence Laboratory, Semester: Spring 2019
Total Marks: 20 Duration: 40 Minutes
Final Lab Exam

1. Create a Customer class properties with CustomerId, CustomerName, Email, address, phone number, a constructor and printCustomer methods in it. Declare two Customer objects and print all information.
2. Fit the following data using a linear model and also predict the pressure, for an observation of temperature of 30 degree celsius.(Use numpy, pandas and matplotlib python libraries)
 - i. Make the CSV data file.
 - ii. Plot the data using matplotlib.
 - iii. Fit the data using Linear Regression.
 - iv. Predict the pressure when temperature 30 degree.

Temperature (C)	-36.7	-19.6	-11.5	-2.6	7.6	15.4	26.1	42.2	60.6	80.1
Pressure (mm Hg)	1	5	10	20	40	60	100	200	400	760