North South University

Department of Electrical and Computer Engineering

CSE331L MIDTERM

Total: 20, **Time**: 1hour

1) Write the differences between Microprocessor and Microcontroller. Discuss about the various models. How can the Assembler identify the driving procedures if there are multiple ones? (5)

2) Create an array of length 5 and populate it with random numeric values. Count how many even and odd numbers are there in the array. (5)

3) Concatenate two strings: the first string is your first name and another string is your last name. Count how many times the first letter of your full name occurs. (5)

4) Write a procedure that will do 16-bit multiplication. The variable operands should be declared as constants. (5)