



North South University

Department of Electrical and Computer Engineering

CSE 115 (Section 4)

Homework 1

Total marks 10

Summer 2017

Question 1: Write a code that can calculate the result for any value of x given by the user in main function for the following quadratic equation:

$$10x^4 + x^2 - 4x - 17$$

[Marks 5]

Example:

Input: 5

Output: 6238

Question 2: Find the output of the code below. [Marks 5]

Note: You must have to show your calculations in detail.

```
#include <stdio.h>
void main() {
    int a = 57;
    int c ;
    c = a;
    printf("Value of c = %d\n", c );
    c += a;
    printf("Value of c = %d\n", c );
    c -= a;
    printf("Value of c = %d\n", c );
    c *= a;
    printf("Value of c = %d\n", c );
    c /= a;
    printf("Value of c = %d\n", ++c );
    c = 100;
    c %= a;
    printf(" Value of c = %d\n", c++ );
}
```