**EEE60104 Programming Techniques**

**Test Revision**

**Question 1**

Write a C program that asks the user to input an integer value and will then display either “Positive Value”, “Negative Value” or “Zero”. Use the *if-else statement*.

**Question 2**

Write a C program to input week numbers (1-7) and print day of week name using the *switch case*.

**Question 3**

Write out a C program that prints out the sum of all the natural numbers from 1 till any number entered by the user using:

1. a *for loop*
2. a *while loop*

**Question 4**

Write a C program to calculate and print the sum of all multiples of 7 from 1 to 100.

**Question 5**

Write a function that takes an integer and returns the sum of its digits. For example, given the number 7631, the function should return 17.

**Question 6**

Write a C program that creates a one-dimensional array with 12 values. Then, the smallest value in the array will be determined and this value will be swapped with the value in the first position of the array. Finally, print out the values of the original array and the swapped array.