

COMP 248 EE – Test 3 - A

**Instructions:**

Date: October 28<sup>th</sup>, 2011  
Time: 17:45 – 18:15 (30 minutes)

Only ENCS-approved calculators (with the ENCS sticker) are allowed.  
No other electronic devices (including cell phones) are allowed.  
No books, papers or extra notes are allowed.  
Answer directly on this questionnaire.

**Identification:**

Last Name: \_\_\_\_\_  
First Name : \_\_\_\_\_  
Student ID : \_\_\_\_\_  
Signature: \_\_\_\_\_

**Marking scheme (for the instructor's use only):**

QUESTION 1	QUESTION 2	QUESTION 3	QUESTION 4	TOTAL
/ 20	/ 20	/ 20	/ 40	/ 100

**Question 1 (20pts)** What is the output produced by the following code segment:

```
String word = "Test3";
char c = 'm';
if (c > 'd' || word.charAt(1) == 'e')
if (c < 'g')
System.out.println("red");
else
System.out.println("blue");
System.out.println("green");
```

**Answer:**

**Question 2 (20pts)** What is the output produced by the following code segment:

```
int price = 0;
boolean isFree = (price == 0);
if (isFree)
{
    price = 10;
    if (isFree)
        System.out.println("one");
    else
        System.out.println("two");
}
else
    System.out.println("three");
```

**Answer:**

**Question 3 (20pts)** What is the output produced by the following code segment:

```
int prevprev = 2;
int prev = 2;
int sum = 0;
for (int i = 1; i < 4; i++)
{
    sum = prevprev + prev;
    System.out.println(prevprev + " " + prev + " " + sum);
    prevprev = prev;
    prev = sum;
}
```

**Answer:**

