

**Please fill in your Student Number and, optionally, Name.**

**Student Number** : \_\_\_\_\_

**Name** : \_\_\_\_\_

**University of Cape Town ~ Department of Computer Science**

**Computer Science 1015F ~ 2007**

## **Theory Test 4A**

<b>Question</b>	<b>Mark</b>	<b>Max</b>	<b>Initials</b>
1		9	
2		8	
3		13	
<b>TOTAL</b>		<b>30</b>	

**Marks : 30**

**Time : 40 minutes**

**Instructions:**

- a) Answer all questions.
- b) Write your answers in the space provided.
- c) Show all calculations where applicable.







---

```
    }
```

```
}
```

- b) Write the “rowCount” method of the “Data” class that takes as input the row to be counted and returns the number of values greater than or equal to zero in that row of the array. [7]

```
class Data
```

```
{
```

```
    private int [][] value;
```

```
    public Data (int rowMax, int colMax){
```

```
        //Constructor already written
```

```
    }
```

```
    public void Fill (){
```

```
        //Already written method that fills the array with values
```

```
    }
```

---

```
}
```

