University of Cape Town ~ Department of Computer Science

Computer Science 1015F ~ 2007

Practical Test 3B Retest

Time: 45 minutes

Write a set of classes to manage staff information for a faculty at UCT. This program must adhere to best practices in object-oriented programming.

The following main program MUST be used:

```
class PTest3B
{
   public static void main ( String [] args )
   {
      Faculty science = new Faculty ("Science");

      Person dean = new Person ("Driver", "Kathy");
      science.addStaff ("dean", dean);
      Person deputydean = new Person ("Gammon", "David", 'W');
      science.addStaff ("deputydean", deputydean);
      Person secretary = new Person ("Taladia", "Elhaam");
      science.addStaff ("secretary", secretary);

      science.printStaff();
   }
}
```

Your output should be as follows:

```
FACULTY STAFF
Dean: Kathy Driver
Deputy Dean: David W Gammon
Secretary: Taladia Elhaam
```

You are required to write the Person and Faculty classes.

You may consult your paper notes and textbook, but no electronic resources. You may NOT use a search engine or consult any Web resources (including Vula) or files on your flash disk, hard drive, etc.

Submit the Java source files to Vula, using a Zip file if necessary. Name your file **PTest3B.java** or **PTest3B.zip.**

Marking Guide:

- *Correctness: Faculty constructor:10%, Faculty output: 25%*

- *Correctness: Person constructor:10%, Person overloaded constructor: 10%, Person output: 20%*

- *Comments (Documentation): 25%*