

2000 Paper 1 Question 10

Programming in Java

Explain *each* of the following: in relevant cases include up to four lines of Java code (but not more) to illustrate your point.

- (a) How to print a table of integers in neat columns, e.g.

```
Heading1  Heading2
1234      989898976
76        -735743
8823674   66300
```

[4 marks]

- (b) How to test if a floating point number is a NaN, an infinity or any other special cases that come to mind. [4 marks]
- (c) How to arrange that, in an applet, a screen image is refreshed properly whenever the user moves, obscures or uncovers windows. [4 marks]
- (d) Circumstances in which you might choose to declare one of your classes **final**, and cases when you might declare a method in a class **final** or **protected**. [4 marks]
- (e) The keyword **finally** and its use. [4 marks]