SOLUTION NOTES

Introduction to Functional Programming 2003 Paper 13 Question 10 (AD)

1. Bookwork.

[5 marks]

- 2. Give the type of each of the following five expressions:
 - (a) K : 'a -> 'b -> 'a
 - (b) K I : 'a -> 'b -> 'b
 - (c) S : ('a -> 'b -> 'c) -> ('a -> 'b) -> 'a -> 'c
 - (d) S (K S) : ('a -> 'b -> 'c -> 'd) -> 'a -> ('b -> 'c) -> 'b -> 'd
 - (e) S S (K I) : ('a -> 'a -> 'b) -> 'a -> 'b

[15 marks]