Two hours

UNIVERSITY OF MANCHESTER
SCHOOL OF COMPUTER SCIENCE

M.Sc. in Advanced Computer Science

System Construction Using B

Date: Friday 30th May 2008
Time: 09:45 – 11:45

This is an OPEN book examination

The use of electronic calculators is NOT permitted
1. We all get dressed and undressed, by putting on and taking off clothes, in layers.

Write a simple Event-B machine that illustrates this problem. Your development should include at least one refinement. However, you need not write out each machine in the development in detail. It is sufficient to write out the final machine, and to indicate clearly which parts are inherited from earlier machines.

Describe any assumptions you make in your models. (20 marks)