

## 1995 Paper 1 Question 12

### System Design

Personal computers and workstations contain monitor and boot programs in non-volatile memory. Explain the functions that the code in this memory can provide, including the facilities that could be available at the following times:

- (a) power-on reset;
- (b) system self test;
- (c) kernel boot;
- (d) normal operation;
- (e) boot failure;
- (f) interactive debugging.

[20 marks]