

## 1999 Paper 12 Question 9

### Databases

Explain the ANSI/SPARC architecture for Data Base Management Systems, and show how it supports data independence. [5 marks]

Describe the relational model of data introduced by E.F. Codd in 1970. [4 marks]

What are its strengths and weaknesses? [7 marks]

What factors have led to its dominant position in the market place today? [4 marks]