

## 2001 Paper 12 Question 9

### Databases

- (a) Explain how to describe the structure of a collection of data using *entities*, *attributes* and *relationships*. [6 marks]
- (b) How would you identify particular instances of data in order to record the information in a database? Illustrate your answer by considering both a relational database maintained using SQL-92 and an ODMG database. [6 marks]
- (c) A high street bank has just announced a merger with a nationwide building society. You are employed as a consultant to advise on the integration of their client databases.

Both institutions use relational databases. Write brief notes to alert the database administrators to the difficulties that they may encounter. [8 marks]