2001 Paper 5 Question 8

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]