

## 1999 Paper 7 Question 8

### Natural Language Processing

Write about *two* of the following. Describe how each technique can be used in the solution of a natural language processing (sub)task and the problems which remain.

- (a) Active chart parsing
- (b) Part-of-speech disambiguation using finite-state machines
- (c) Probabilistic context-free grammar
- (d) Plan recognition for discourse comprehension

[10 marks each]