

2007 Paper 13 Question 1

Natural Language Processing

(a) There are several different types of ambiguity in natural language. For *each* of the following cases, briefly describe how ambiguity may arise, illustrating your answer with examples:

(i) morphological ambiguity;

(ii) lexical ambiguity;

(iii) syntactic ambiguity;

(iv) ambiguity in rhetorical relations (discourse relations).

[12 marks total]

(b) Explain what is meant by “packing” in parsing and discuss its relevance to the treatment of ambiguity. [8 marks]