

## 2008 Paper 7 Question 10

### Natural Language Processing

- (a) In the context of evaluation of NLP systems, what is meant by the terms *baseline* and *ceiling*? [3 marks]
- (b) Discuss the evaluation of:
- (i) stochastic part of speech (POS) tagging; [4 marks]
  - (ii) word sense disambiguation; [4 marks]
  - (iii) pronoun resolution. [4 marks]
- (c) What additional considerations may apply when the evaluation concerns a component of a complete NLP application? [5 marks]