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]