1. [10] (J&M 12.2) Draw a syntactic parse tree for the following ATIS sentences
   1.1. I would like to fly on American Airlines
   1.2. What is the fare from Atlanta to Denver
   1.3. Does American have a first-class section?

2. [20] (J&M 13.10) Open Answer: Discuss how to augment a parser to deal with input
   that may be incorrect, for example, containing spelling errors or mistakes arising
   from automatic speech recognition.

3. [10] (J&M 17.1) Peruse a newspaper for three examples of ambiguous sentences or
   headlines. Describe the various sources of the ambiguities.

4. [10] (J&M 17.4) Give First Order Logic translations for the following sentences:
   4.1. Vegetarians do not eat meat.
   4.2. Not all vegetarians eat eggs.

5. (J&M 19.6, 19.7) Selectional Restrictions and Corpus Semantics
   5.1. [10] Using WordNet, describe appropriate selectional restrictions on the verbs
       drink, kiss and write.
   5.2. [10] Collect a small corpus (~20 each) of examples of the verbs drink, kiss and
       write.
   5.3. [10] Describe how well your selectional restrictions worked. Especially focus
       on where you were incorrect.

6. (J&M 21.2)
   6.1. [5] Draw syntactic trees for the following discourse (Example 21.66)
       A. John saw a beautiful Ford Falcon at the used car dealership.
       B. He showed it to Bob.
       C. He bought it.
   6.2. [15] Apply Hobbs tree search algorithm for pronoun resolution, describing each
       step of the search. Make sure to do this for all 4 pronouns.