

Student ID :  
Name-Surname :

**Natural Language Processing midterm exam (2017-2018 Fall)**

*(Please use free space for draft and fit your answer to boxes.)*

1. (a) (10P) For preparing a lemmatizer, we need at least two things:

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(b) (10P) N-gram analysis is important to discover something from a text. We can try any numbers for N value. But absolutely the most meaningful one is .....

2. (20P) Giving your comment complete this sentence: "A NLP study needs a Corpus, because..."

3. (20P) What is POS-tagging? and How many approaches are there for POS-tagging?

4. (20P) What is the aim of semantic analysis? By giving an example text (or a sentence), explain the semantic analysis in detail.

5. (20P) What are the difference between Morphological and Semantic disambiguation? Give two sentences for example.