

Set A

CSE440: Natural Language Processing II

Date: 22 October 2025

This is an MCQ quiz. Each question is worth 1. Write your answers serially on the other side.

Questions:

1. Which of the following components are part of NLP Annotation?

- i) Lemmatization/Stemming
 - ii) POS Tagging
 - iii) Named Entity Recognition
- A) i,ii
B) i,iii
C) ii,iii
D) i,ii,iii

2. "One morning I shot an elephant in my pajamas" demonstrates-

- A) Coreference error
- B) Attachment ambiguity
- C) POS ambiguity
- D) Semantic role labeling

3. What makes sentence segmentation difficult?

- A) Long sentences
- B) Abbreviations
- C) Lack of punctuation
- D) Use of adjectives

4. Which statement about tokenization solutions is TRUE?

- A. One universal algorithm fits all languages
- B. Each language requires its own tokenization principles
- C. It is unnecessary for NLP in recent years.
- D. Tokenization and stemming are the same

5. What problem do stemming and lemmatization try to solve?

- A) Case sensitivity
- B) Words that look different but have similar meaning
- C) Word embedding
- D) Sentence segmentation

6. Which is an example of an open-class word category?

- A) Pronoun
- B) Determiner
- C) Conjunction
- D) Noun

7. What challenge exists in POS tagging?

- A) Words can have different tags depending on context
- B) When there are too many punctuation marks
- C) Some words are always proper nouns
- D) Tag sets change daily

8. Why are rule-based sentence segmentation systems hard to maintain?

- A) They are too simple to implement
- B) New punctuation rules constantly emerge
- C) The number of exceptions grows quickly
- D) They can't recognize capital letters

9. Which scenario best shows a tokenization error?

- A) Treating "New York" as one token
- B) Splitting "isn't" into "is" and "n't"
- C) Considering "e-mail" as two tokens
- D) Recognizing "Mr." as a one token

10. What is the main advantage of lemmatization over stemming?

- A) It is faster
- B) It produces linguistically valid words
- C) It removes punctuation
- D) It does not require POS tagging

Name:

Student ID:

Section:

Answer

Set A

- 1 C
- 2 B
- 3 B
- 4 B
- 5 B
- 6 D
- 7 A
- 8 C
- 9 C
- 10 B