

**START OF QUIZ**

**Student ID:**

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I agree that all answers provided are in my own words, and that I will not discuss the contents of this quiz with any of my fellow students until after the exam period has completed for everyone. Furthermore, any response that used generative AI tools has been rephrased into my own interpretation, and has been appropriately cited.

Signature: \_\_\_\_\_

## Question 1

Topic: Lecture 4

Source: Lecture 4

Briefly describe “fence-posting”, and why it’s useful for parsing evaluation. (1)

## Question 2

Topic: Lecture 1

Source: Lecture 5

Write the parenthetical parse of the following sentence: “Have fun storming the castle!” (1)

### Question 3

Topic: Lecture 3

Source: Lecture 3

Explain how phrasal attachment errors produce ambiguity. Provide an example other than what we discussed in class. (1)

## Question 4

Topic: Lecture 4

Source: Lecture 4

Why is a feature grammar still considered context-free (or nearly so) in many implementations, despite being more expressive than a plain CFG? (1)

## Question 5

Topic: Lecture 3

Source: Lecture 3

Why is recursion essential in CFGs for modeling natural language? Give a simple example involving a noun phrase or verb phrase. (1)

## Question 6

Topic: Lecture 1

Source: Lecture 5

Imagine that two linguists are creating a treebank, but even though they have a clear annotation schema, they disagree on annotations about 10 percent of the time. How could you mitigate the effects of this disagreement on your downstream parser? (2)

## Question 7

Topic: Lecture 2

Source: Lecture 2

Imagine that you're working with a copy-editor to tighten the prose of prospective novels. How might you use parsers to identify places where you can "trim the fat" without being too aggressive? (2)

## Question 8

Topic: Lecture 2

Source: Lecture 2

Imagine you've been assigned the task of converting instructions in a recipe into a list of easy-to-accomplish goals for a cooking robot. How could you use a parser to aid your conversion? (2)

## Question 9

Topic: Long

Source: Lecture 2

When learning a language (whether an L1 or L2), speakers often make grammatical mistakes, but are still understandable by other speakers. What do you think this says about the role of syntax in language, and how do you think it could help us create more robust language recognition systems? (3)

**END OF QUIZ**