

Due by 11:59pm on Tuesday, May 19. Please email your answers to joseph.pentangelo@csi.cuny.edu.

Phrase Structure Rules

$S \rightarrow NP \text{ (to) VP}$

$CP \rightarrow C S$

$VP \rightarrow V \text{ (PP) (NP) } \left\{ \begin{array}{l} \text{(NP)} \\ \text{(S)} \\ \text{(CP)} \end{array} \right\} \text{ (AP) (PP*)}$

$NP \rightarrow \text{(det) (AP*) N } \left\{ \begin{array}{l} \text{(PP*)} \\ \text{(CP)} \end{array} \right\}$

$AP \rightarrow \text{(deg) A}$

$PP \rightarrow \text{(mod) P } \left\{ \begin{array}{l} \text{(NP)} \\ \text{(PP)} \end{array} \right\}$

Hints

- This exam covers chapters 6–8.
- You’ve been tested on most of these structures before. Review quizzes 8–12 and the Exam III review and answer key.

Section 1: Draw a tree for each of the following sentences. Each tree is worth 5 points.

1. Toast is bread that you toast.
2. Give the birds some toast!
3. The birds love to eat bread.
4. Sing the song that you wrote.
5. The seagulls want me to feed them.
6. Tell me if this is for the birds.
7. Go to the store.
8. I want you to borrow the car.

Section 2: Draw two trees for each of the following sentences, one for surface structure and one for deep structure. Write down which trees show surface structure and which show deep structure. Each tree is worth 5 points. (10 points total for each of the following sentences.)

9. This is where I want to go for lunch.
10. I returned the book I borrowed.
11. The woman who I love visited the country where they invented the telephone.
12. Listen to the voice which you hear with your heart.

Section 3: Answer the following questions. Each is worth 5 points.

13. Which of the above sentences are imperatives?
14. Identify the matrix main verb in sentences 2, 3, 7, 8, and 10. (Five verbs total, 1 point for each one you correctly identify. Do not list more than five verbs.)
15. Identify the auxiliary and main verbs in the following sentences:
 - a. Seagulls will eat all your bread.
 - b. A seagull witch might turn me into bread.
16. Identify whether the main verbs in 15a. and 15b. are tensed or bare.

Extra Credit: The following is worth 5 points.

17. Write and draw a tree for a sentence that involves both pro_{you} and an infinitival embedded clause.