

## LING001 - Exam 3 - Spring 2020

Read each question carefully

(1) **5 points** | Your name and recitation section

(a) Student name:

(b) Recitation section number OR name of TA:

(2) **5 points** | The exam's honor code is "*I affirm that I will not give or receive any unauthorized help on this exam, and that all work will be my own.*"

(a) Write out the exam's honor code in the space below.

(b) Sign your name to indicate you intend to abide by the honor code.

Signature \_\_\_\_\_

This exam may be taken at home, but you must work alone. Turn in a .pdf of your exam by April 13 at midnight (your local time) via Canvas.

(3) **9 points** | For each sentence, indicate whether the underlined portion is a constituent (1 point each). Justify your answer with a constituency test, providing the name of the test (1 point each) and the sentence you created with it (1 point each).

(a) The woman at the desk looked up the number.

(b) The dog at the park played with Fritz and Julian.

(c) The girl with the big dog wanted to jog in the park.

(4) **17 points** | Examine the following data from Popoluca, a language spoken in Mexico, and answer the questions that follow. (*Note: 'you' is singular throughout this exercise.*)

a. [ʔiŋkuʔtpa]	'you eat it'	i. [ʔinhokspa]	'you hoe it'
b. [ʔanhokspa]	'I hoe it'	j. [no:mi]	'boss'
c. [ʔikuʔt]	'he ate it'	k. [ʔano:mi]	'my boss'
d. [ʔimo:ja]	'his flower'	l. [ʔika:ma]	'his cornfield'
e. [mo:ja]	'flower'	m. [ʔiŋka:ma]	'your cornfield'
f. [ʔampetpa]	'I sweep it'	n. [ʔamo:ja]	'my flower'
g. [ʔimpet]	'you swept it'	o. [ʔino:mi]	'your boss'
h. [ʔantɛk]	'my house'		

(a) List all of the Popoluca allomorphs corresponding to the following (1 point each):

_____ 'cornfield'	_____ (past tense)
_____ 'flower'	_____ (present tense)
_____ 'boss'	_____ 'I/my'
_____ 'house'	_____ 'you/your'
_____ 'eat'	_____ 'he/his'
_____ 'sweep'	_____ 'hoe'

(b) For those morphemes with more than one allomorph, state the phonetic environments that determine the occurrence of each allomorph (5 points).

- (5) **6 points** | The following sentences involve movement of a *wh*-word to the beginning of the sentence. Identify the position of the trace in each sentence (1 point each) and explain how it relates to the differences in word order and meaning (1 points each).

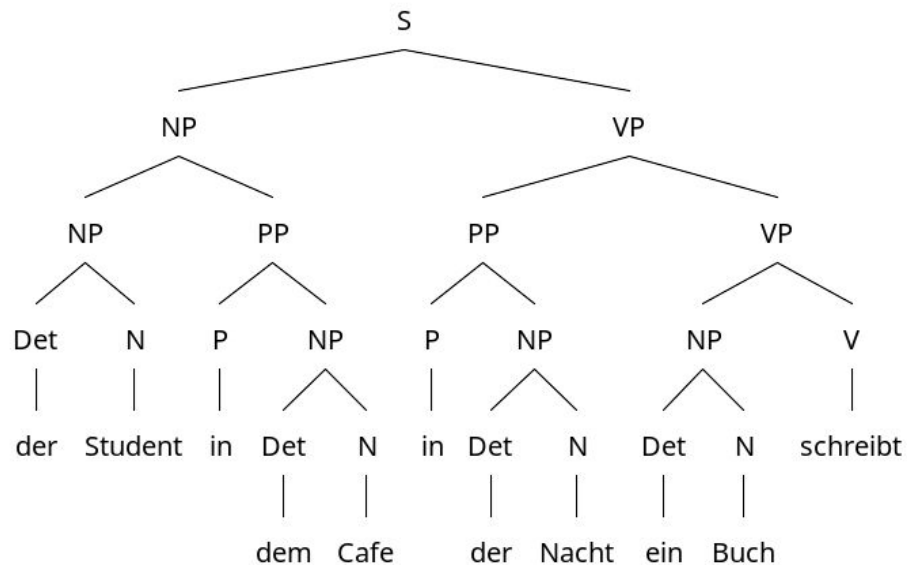
- (a) Who will want to go to the park with Joanie?  
 (b) Who will Joanie want to go to the park with?  
 (c) Where will Joanie want to go with Graham?

- (6) **6 points** | Below is the phrase structure tree for the German sentence in (4a). List all of the phrase structure rules that were used to construct this tree.

- (a) ***Der Student in dem Cafe in der Nacht ein Buch schreibt***

The student in the cafe in the night a book writes

'The student in the cafe writes a book during the night'



- (7) **24 points** | The sentences below are structurally ambiguous. For each sentence, give two trees corresponding to each legitimate structure and give an appropriate paraphrase for each. Draw from the following phrase structure rules to construct your trees:

**S** → **NP TP**

**S** → **PP S**

**TP** → **T VP**

**VP** → **V NP**

**VP** → **Adv VP**

**VP** → **VP PP**

**NP** → **N N**

**NP** → **Det N**

**NP** → **NP PP**

**NP** → **N**

**N** → **Adj N**

**PP** → **P NP**

**XP** → **XP Conj XP**

**X** → **X Conj X**

- (a) A wizard dazzled the child with magical glasses (12 points).

(b) John read a book on the Siberian tiger in the kitchen (12 points).

*Don't forget to draw the trees for 7b!*

(8) **28 points** | Examine the following data from Swahilalu, a fictional language spoken in West Neverland, and answer the questions that follow.

a. [anatapenda]	's/he will like me'	o. [anatapiga]	's/he will beat me'
b. [anacupenda]	's/he will like you'	p. [anacupiga]	's/he will beat you'
c. [anampenda]	's/he will like him/her'	q. [anampiga]	's/he will beat him/her'
d. [anawapenda]	's/he will like us'	r. [atatupiga]	's/he is beating me'
e. [ananipenda]	's/he will like them'	s. [atacupiga]	's/he is beating you'
f. [tunacupenda]	'I will like you'	t. [atampiga]	's/he is beating him/her'
g. [tunampenda]	'I will like him/her'	u. [alicipiga]	's/he has beaten you'
h. [tunanipenda]	'I will like them'	v. [alitupiga]	's/he has beaten me'
i. [unatapenda]	'you will like me'	w. [alimpiga]	's/he has beaten him/her'
j. [unampenda]	'you will like him/her'	x. [ametupiga]	's/he beat me'
k. [wanampenda]	'we will like him/her'	y. [amecupiga]	's/he beat you'
l. [ninampenda]	'they will like him/her'	z. [amempiga]	's/he beat him/her'
m. [niliwalipa]	'they have paid us'	aa. [anacusumbua]	's/he will annoy you'
n. [wameculipa]	'we paid you'	bb. [utamsumbua]	'you are annoying him/her'

(a) Give the Swahilalu morphemes for the following English translations (1 point each):

_____ 'I'	_____ 'we'	_____ (past marker)
_____ 'pay'	_____ 'like'	_____ (present progressive)
_____ 's/he'	_____ 'annoy'	_____ (future marker)
_____ 'me'	_____ 'him/her'	_____ (present perfect)
_____ 'beat'	_____ 'they'	_____ 'you' (if subject)
_____ 'us'	_____ 'them'	_____ 'you' (if object)

(b) Give the Swahilalu word for the following English translations (1 point each):

'I have beaten them.'	_____
'They are beating me.'	_____
'They have annoyed me.'	_____
'You have beaten us.'	_____
'We beat them.'	_____
'I am paying him/her'	_____

(c) Give the English translation for the following Swahilalu words (1 point each)

[anatulipa]	_____	[nimecupenda]	_____
[unanipiga]	_____	[tulimsumbua]	_____