

**CS-5340/6340, Written Assignment #1**  
**DUE: Wednesday, Sept. 9, 2015 by 11:00pm**

1. (40 pts, 1/2 pt per word) For each sentence below, label each word with its correct part-of-speech (POS) tag based upon the word's use in the sentence. Punctuation should be ignored.

Choose from the following list of part-of-speech tags: **adjective** (ADJ), **adverb** (ADV), **article** (ART), **conjunction** (CONJ), **gerund** (GER), **infinitive “to”** (INF), **modal** (MOD), **noun** (NOUN), **particle** (PART), **preposition** (PREP), **personal pronoun (not possessive)** (PERPRO), **possessive pronoun** (POSSPRO), **relative pronoun** (RELPRO), **verb** (VERB).

For infinitive verb phrase constructions, label “to” as INF and the verb itself as VERB.

NOTE: An easy way to show your part-of-speech tags is to append a slash and POS tag after each word. For example: “Natural/ADJ language/NOUN is/VERB fun/ADJ.”

- (a) Dan slid sideways down the hill and broke out in laughter.
- (b) Children may like candy but eating sugary foods is unhealthy.
- (c) My brother did not plan to take sleeping pills although he got no sleep yesterday.
- (d) He often snores like an aardvark.
- (e) Mary ran inside after rain began to fall.
- (f) The armed man took off when police showed up.
- (g) The kittens sleeping in her lap are very young.
- (h) She just completed a singing competition, which could make her a star.

2. (20 pts) For each sentence below, indicate whether the main verb appears in an *intransitive* construction, a *transitive* construction, or a *ditransitive* construction. Only give the answer *transitive* if the usage is not *ditransitive*.
- (a) The dog barked at the cat.
  - (b) The man fed the squirrels peanuts.
  - (c) Susan slept for ten hours.
  - (d) George broke the window with his fist.
  - (e) Mary loaned her neighbor a bicycle for a week.
  - (f) Ted donated five hundred dollars to his favorite charity.
  - (g) Wilma married Fred in a rock quarry.
  - (h) Sam bought flowers for his mom.
  - (i) The cat frequently sits on the front porch.
  - (j) She gave a raise to her best employee for his great work.

3. (20 pts) For each sentence below, indicate whether the main verb appears in an *active* voice verb phrase or a *passive* voice verb phrase.

- (a) Dr. Seuss has written many books.
- (b) Tim will be organizing a charity event.
- (c) Cathy has been hired by IBM.
- (d) Walter will be evaluated for a raise in October.
- (e) Tropical storm Fred has strengthened into a hurricane.
- (f) The battle is being fought on several fronts.
- (g) The cougar was hiding in a bush.
- (h) The dog has been taught twenty difficult tricks.
- (i) She will have achieved a record in gymnastics.
- (j) He should have won the award.

4. (20 pts) Consider the following morphology rules and dictionary:

	Suffix	Prefix	Replacement Chars	POS of root word	POS of derived word
<i>Rule #1</i>	s	-	-	NOUN	NOUN
<i>Rule #2</i>	s	-	-	VERB	VERB
<i>Rule #3</i>	er	-	-	VERB	NOUN
<i>Rule #4</i>	-	re	-	VERB	VERB
<i>Rule #5</i>	-	anti	-	NOUN	ADJECTIVE

Dictionary	
Word	Part-of-Speech
seizure	NOUN
form	VERB

For each word below, indicate whether that word *CAN* or *CANNOT* be successfully derived as having the specified part-of-speech using the morphology rules and dictionary above:

- (a) antiseizure ADJECTIVE
- (b) seizures VERB
- (c) antiseizures NOUN
- (d) antiseizures ADJECTIVE
- (e) reforms NOUN
- (f) reforms VERB
- (g) antireform ADJECTIVE
- (h) rereform VERB
- (i) reformer NOUN
- (j) reformers VERB

**Question #5 is for CS-6340 students ONLY!**

5. (15 pts) Consider the following five subcategorization frames:

NP
NP NP
PP(against)
PP(from) PP(to)
VP(to)

For each verb below, list ALL of the subcategorization frames in the list above that should be associated with the verb. If a verb should not have ANY of these subcategorization frames, then give the answer *NONE*.

HINT: most of the verbs should have 1 or 2 of the subcategorization frames in the list above.

- (a) snore
- (b) drive
- (c) expect
- (d) fight
- (e) sip
- (f) sing
- (g) lean
- (h) smile
- (i) lend
- (j) increase

## **ELECTRONIC SUBMISSION INSTRUCTIONS** **(a.k.a. “What to turn in and how to do it”)**

**Your written assignment must be in .pdf format.** Please do not turn in .doc or .docx files ... convert them to .pdf format before submitting them!

To submit this assignment, the CADE provides a web-based facility for electronic handin, which can be found here:

<https://webhandin.eng.utah.edu/>

Or you can log in to any of the CADE machines and issue the command:

```
handin cs5340 written1 <filename>
```

Please name your file: YourName-written1.pdf (e.g., EllenRiloff-written1.pdf)

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HELPFUL HINT: you can get a listing of the files that you’ve already turned in via electronic submission by using the ‘handin’ command without giving it a filename. For example:

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handin cs5340 written1
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will list all of the files that you’ve turned in thus far. If you submit a new file with the same name as a previous file, the new file will overwrite the old one.