

Comp 6751 Quiz 2

Open from
Friday, October 23, 2020 until Friday, December 4, 2020

The **academic code of conduct** holds. The following questions have to be answered without any help from other people, directly or indirectly through social media etc. You may not post to the Forums in Moodle.


You may contact the teacher through Moodle messaging only but not for clarification of questions, to work those out is part of the exam.





You may consult all the materials provided on the Moodle page, you may consult other textbooks or slides that have been posted on the internet before September 2020. You must submit a single document (any format) with working notes for your submitted solutions. **The working notes can be handwritten and scanned in or electronic.** These notes have to be submitted as a precaution.

The following is the material you have to work out. The online quiz will prompt you for specific answers that you have to select based on your work.


-  1. Analyze the following sentence:


1 *The* 2 *owner* 3 *of* 4 *an* 5 *alligator* 6 *that* 7 *went* 8 *viral* 9 *through* 10 *social* 11 *media* 12
13 *after* 14 *it* 15 *escaped* 16 *in* 17 *Villeray* 18 *last* 19 *December* 20 *has* 21 *been* 22 *charged* ,
23 *along* 24 *with* 25 *her* 26 *partner* 27 , 28 *with* 29 *criminal* 30 *negligence* 31 *following* 32 *an*
33 *incident* 34 *in* 35 *Ste-Julie* 36 *this* 37 *year* 38 . 39

-  2. Using the position numbers, indicate all the positions of the following constituents. For instance, to indicate that *this year* is an ADVP, you would enter (36, 38).

- (a) NP (1, 3), ... 
- (b) VP 
- (c) RelCl (relative clause, not a PennTreebank constituent) 
- (d) PP 

3. Let us indicate that *the* is governed by *owner* by the **det** dependency using the notation: ((2,3) -det-> (1,2)).

Indicate all **nsubj** relations. 

-  4. In the style of Davidson, list all predicates (only the <PRED>(e) portion of the sentence meaning is required, so for the section (31, 39), the answer could be

HAPPENING(e₅₁). 

5. Using the event variables you introduced above, add the temporal information for the event GOINGVIRAL(e_{33}) to your representation (for the event e_{51} , the answer would be

IntervalOf(e_{51}, i) \wedge EndPoint(i , NOW) \wedge StartingPoint(i , ~~LASTJANUARY~~). 

