CSSE 315 – Natural Language Processing
Rose-Hulman Institute of Technology

Quiz 01

Name (Print):_____   Date:_____

1. What does the Turing test directly measure?

   a.) A computer program's memory and processing power

   b.) The level of consciousness in a computer program

   c.) **How well a computer program can imitate human conversation**

2. What was the name of the first program claimed to have passed the Turing test?

   a.) Cleverbot

   b.) **Eliza**

   c.) ChatGPT

3. How is the Turing test evaluated?

   a.) Monitoring the computer's internal activity

   b.) A standardized multiple-choice test

   c.) **A human judge**

4. Sentiment analysis can only have two discrete values (positive and negative)

   a.) True

   b.) **False**

5. Select categories that can be used for Name Entity Recognition (NER) (select all that can apply)

   a.) verbs (e.g. run)

   b.) text

   c.) **organization (e.g. Google)**

   d.) **person (e.g. Sam Altman)**

6. What are the main challenges/differences that define human language compared to formal languages? Select all that can apply.

   a.) **Ambiguity**

   b.) Structure

   c.) Conciseness

   d.) **Redundancy**

   e.) **More than one meaning**

7. Select the field that studies word formations

   a.) **Morphology**

   b.) Pragmatics

   c.) Semantics

   d.) Syntax

8. Read the following sentence: "Paul Allen went to a school in Seattle where he befriended Bill Gates". He refers to Paul Allen. In NLP, this type of reference is called

   - Noun
   - Name Entity Recognition
   - **Coreference Resolution**
   - Name Entity Linking
   - Semantic Role Labeling

9. What is not a part of the preprocessing pipeline

   - Removing stopwords
   - Lemmatizing (converting to base forms)
   - Removing encoding
   - Removing punctuation
   - **Adding random words**