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

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9. 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

10. What is not a part of the preprocessing pipeline

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