

**COMPUTER ENGINEERING DEPARTMENT**

**ASSIGNMENT NO. 3**

**Subject: Natural Language Processing**

COURSE: B.E

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DEPT: Computer Engineering

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**NLP Assignment - 3**

1. \_\_\_\_\_ is the step in which an input sentence is converted into a hierarchical structure that corresponds to the units of meaning in the sentence.

- A) Graph processing
- B) Syntactic Processing
- C) Semantic Processing
- D) Morphological Processing
- E) Lexical Processing

**Answer:**

**Reason:**

**2. Pragmatic ambiguity refers to the situation where the context of a phrase gives it multiple \_\_\_\_\_.**

- A) Assumptions
- B) Group of Data
- C) Interpretations
- D) Classifications
- E) Structure

**Answer:**

**Reason:**

**3. Polysemy has the same spelling but \_\_\_\_\_ meaning.**

- A) Different and contextual
- B) Simple and Understandable
- C) Different and related
- D) Same and unrelated
- E) Same and related

**Answer:**

**Reason:**

**4. A context-free grammar (CFG) is a list of \_\_\_\_\_ that defines the set of all well-formed sentences in a language.**

- A) Actions
- B) Rules
- C) Variables
- D) Syntax
- E) Formula

**Answer:**

**Reason:**

**5. \_\_\_\_\_ may be defined as the task of determining what entities are referred to by which linguistic expression.**

- A) Coherence resolution
- B) Reference Resolution
- C) Discourse resolution
- D) Syntactic resolution
- E) Semantic resolution

**Answer:**

**Reason:**

**6. What is Lexical Ambiguity?**

- A) Ambiguity of a single word when it can be used as a verb, noun or adjective.
- B) Ambiguity of a sentence
- C) Words have many meanings
- D) Sentences and words are not aligned.

**Answer:**

**Reason:**

**7. \_\_\_\_\_ shows how the words are associated with each other.**

- A) Semantic Analysis
- B) Tokens
- C) Lexical Analysis
- D) Discourse

**Answer:**

**Reason:**

8. \_\_\_\_\_ is a model of behaviour composed of state, transition and actions.

- A) FST
- B) FSA
- C) DAWG
- D) Stemmer Algorithm

**Answer:**

**Reason:**

9. What is 'Q' in the finite automata set?

- A) Finite set of states
- B) Set of Input Symbols
- C) Initial state
- D) Set of Final States

**Answer:**

**Reason:**

**10. Which is not a level of NLP process?**

- A) Pragmatic
- B) Discourse
- C) Morphological
- D) Textual

**Answer:**

**Reason:**

**11. \_\_\_\_\_ is a lexical database for the English language.**

- A) Corpus
- B) WordNet
- C) Lexicon
- D) Thesaurus

**Answer:**

**Reason:**

**12. What is Machine Translation?**

- A) Converts one human language to another
- B) Converts human language to machine language
- C) Converts any human language to English
- D) Converts Machine language to human language

**Answer:**

**Reason:**

**13. Morphological analysis is done at \_\_\_\_\_ level.**

- A) Character
- B) Lexicon
- C) Word
- D) Sentence

**Answer:**

**Reason:**

**14. Coreference resolution is a well-studied problem in \_\_\_\_\_.**

- A) Discourse
- B) Text classification
- C) WSD
- D) Lexical Analysis

**Answer:**

**Reason:**

**15. In homonymy, the meanings of the words are not \_\_\_\_\_.**

- A) Joined
- B) Related
- C) Analysed
- D) Changed

**Answer:**

**Reason:**



16. \_\_\_\_\_tools allow businesses to identify customer feedback toward products, brands or services in online feedback.

- A) Lexical analysis
- B) Syntactical analysis
- C) Hybrid analysis
- D) Sentiment Analysis

**Answer:**

**Reason:**

17. When the meaning of the words themselves can be misinterpreted then \_\_\_\_\_ ambiguity occurs.

- A) Scope Ambiguity
- B) Pragmatic Ambiguity
- C) Semantic Ambiguity
- D) Syntactic Ambiguity

**Answer:**

**Reason:**

**18.** This POS tagging is based on the probability of the tag occurring.

- A) Rule-based tagging
- B) Stochastic tagging
- C) Information based tagging
- D) Group based tagging

**Answer:**

**Reason:**

**19.** \_\_\_\_\_ is the smallest part of a word.

- A) Letter
- B) Morpheme
- C) Word sketches
- D) Verbs

**Answer:**

**Reason:**

20. The \_\_\_\_\_ algorithm is a process of removing suffixes from words in English.

A) Lovins Stemmer

B) Porter Stemmer

C) Paice Stemmer

D) Husk Stemmer

**Answer:**

**Reason:**

**Student Signature:**

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