

Natural Language Processing CIE-01 (Sem II 2022-2023) AI & DS Dept.

Time : 10.30 AM to 11.00 AM Date : 15 Feb 2023

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Name *

Siddhesh Chinchankar

Roll Number *

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Select Division *

1 point

TY B

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1. What is main Challenges f NLP?

1 point

- ☒ Handling ambiguity of sentences.
- ☐ Handling tokenisation
- ☐ Handling POS-Tagging
- ☐ none of the above

Clear selection

2. The morphological level deals with

1 point

- ☐ structure of sentences
- ☐ study of word structures and word formation
- ☐ grammer of sentences
- ☒ all of above mentioned

Clear selection

3. _____refers to the arrangement of words in a sentence so they grammatically make sense.

1 point

- ☒ Syntactic Analysis
- ☐ lexical analysis
- ☐ morphological level
- ☐ Semantic Analysis

Clear selection



4. _____ study of meaning in context dependent on the intentions of participants in a conversational exchange.

1 point

- ☐ Syntactic Analysis
- ☐ lexical analysis
- ☒ Pragmatics
- ☐ Semantic Analysis

Clear selection

5. Phonetics is the study of _____

1 point

- ☐ the combination of sounds into organized units of speech
- ☐ concerns word-formation
- ☒ language at the level of sounds
- ☐ how words combine to form phrases,

Clear selection

6 .In linguistic morphology _____ is the process for reducing inflected words to their root form

1 point

- ☐ rooting
- ☒ stemming
- ☐ text proofing
- ☐ delemination

Clear selection



7. " I saw bat " contains which type of ambiguity?

1 point

- ☐ Morphological
- ☒ Lexical
- ☐ Syntactic
- ☐ Semantic

Clear selection

8. In which of the following levels of NLP, dose one draw parse tree?

1 point

- ☐ Morphological & lexical
- ☐ Pragmatic
- ☒ Syntactic
- ☐ Semantic

Clear selection

9. _____ uses a dictionary to reduce the natural language to its root words.

1 point

- ☐ Lemmatization
- ☒ Stemming
- ☐ Parsing
- ☐ Word Segmentation

Clear selection



10 . _____ is process of undergoing grammatical analysis of a given sentence.

1 point

- ☐ Word Segmentation
- ☐ tokenization
- ☒ Parsing
- ☐ Stemming

Clear selection

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Natural Language Processing CIE-02 (Sem II 2022-2023) AI & DS Dept.

Time : 10.30 AM to 11.00 AM Date : 15 Feb 2023

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Name *

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1. Words are formed of

1 point

_____, which are the minimal (that is, non-decomposable) linguistics units that carry meaning.

- ☒ morphemes
- ☐ stems
- ☐ affixes
- ☐ All of the above

Clear selection

2. _____do both precede the stem as well as follow the stem.

1 point

- ☐ Infixes
- ☒ Circumfixes
- ☐ suffixes
- ☐ prefixes

Clear selection

3. _____is the process of producing morphological variants of a root/base word.

1 point

- ☐ Stemming
- ☐ Parsing
- ☐ Wording
- ☒ None of above

Clear selection

4. _____algorithm is used to remove the suffixes from an English word and obtain its stem.

1 point

- ☐ Minimum Edit Distance
- ☐ N-Gram
- ☒ Porter Stemming
- ☐ All of Above

Clear selection

5. How the word "Changing" lemmatized?

1 point

- ☐ changed
- ☐ changes
- ☒ change
- ☐ changing

Clear selection

6 .How Many bigrams created by following sentence "This is NLP book."?

1 point

- ☒ 3
- ☐ 2
- ☐ 4
- ☐ 1

Clear selection

7. Minimum Edit distance between two strings str1 and str2 is defined as the minimum number of _____ operations required to transform str1 into str2.

1 point

- ☐ Insert
- ☐ delete
- ☐ substitute
- ☒ All of above

Clear selection

8. The automaton, we use for performing the mapping between_____&_____ is the finite-state transducer.

1 point

- ☐ Morphological & lexical
- ☐ Pragmatic & semantic
- ☒ lexical and surface
- ☐ None

Clear selection

9. which is most common algorithm used in English language for stemming.

1 point

- ☐ Partial Stemmer
- ☒ Porter Stemmer
- ☐ faster stemmer
- ☐ regular stemmer

Clear selection

10 . stem word of "undesirableness" is _____.

1 point

- ☐ desirableness
- ☒ undesirable
- ☐ desirable
- ☐ undesirableness

Clear selection

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NLP CIE 3 2022-2023

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(Unit-1) Question Paper

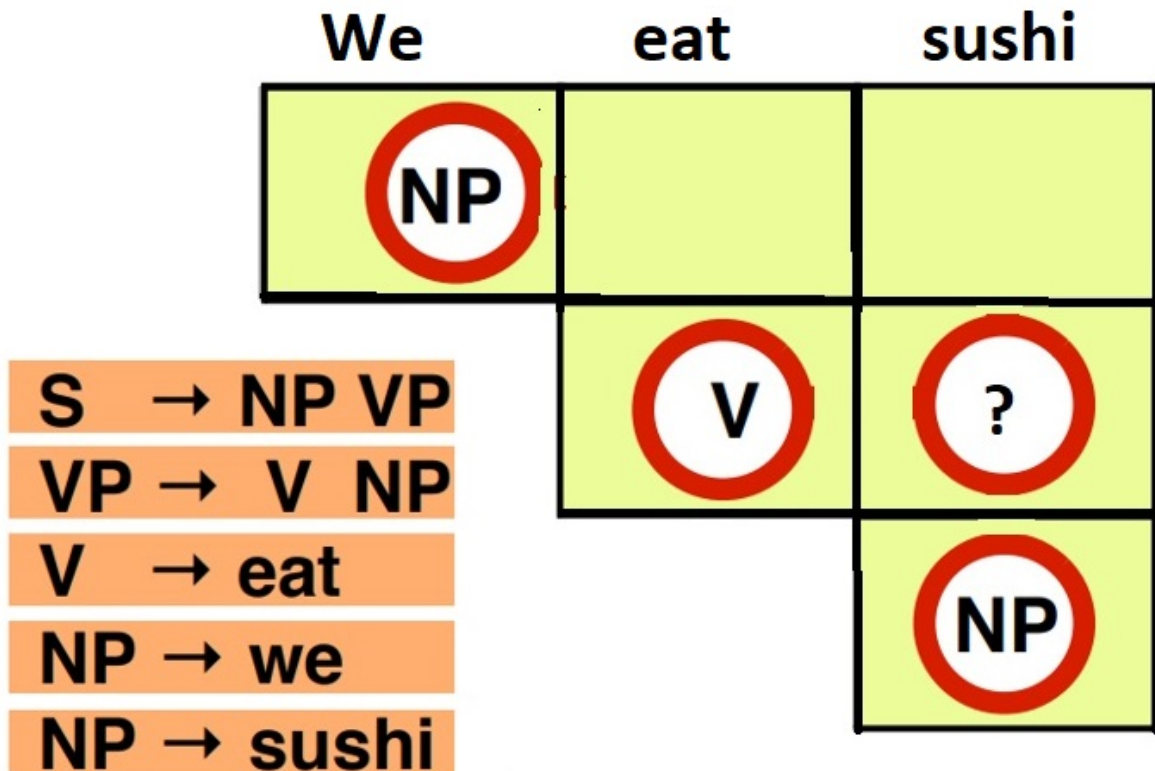
Which of the PoS Tagging methods require training corpus? *

1 point

- ☐ A. Rule based
- ☒ B. Stochastic
- ☐ C. Transformation-based
- ☐ D. All of the above



With respect to CKY algorithm, for sentence "We eat Sushi." choose the correct terminal or terminal in place of question mark? * 1 point



- ☐ A. VP
- ☐ B. NP
- ☒ C. V
- ☐ D. S

CNF grammar can have empty production rules. *

1 point

- ☒ A. TRUE
- ☐ B. FALSE



Which of the following is an open PoS Category? *

1 point

- ☐ A. Noun
- ☐ B. Adjective
- ☐ C. verb
- ☒ D. All of the given

Which of the following is true? *

1 point

- (1) CKY algorithm is used for deep parsing.
- (2) CKY algorithm is used for Shallow parsing.
- (3) CKY algorithm uses top down approach.
- (4) CKY algorithm uses bottom up approach.

- ☐ A. Only (1) and (3)
- ☐ B. Only (2) and (3)
- ☒ C. Only (1) and (4)
- ☐ D. Only (2) and (3)

With respect to Earley algorithm, _____ function is called whenever there is a Terminal after dot (•).

* 1 point

- ☐ A. Predictor
- ☒ B. Scanner
- ☐ C. Generator
- ☐ D. Completer



PoS tag of "drink" in sentence "Drink some water." is _____. *

1 point

- ☐ A. Noun
- ☒ B. Verb
- ☐ C. Adverb
- ☐ D. None of the above

Which of the following is not a CLOSED PoS Category ?

1 point

- ☐ A. Adverb
- ☐ B. Pronoun
- ☐ C. Determiners
- ☒ D. None of the given

What is the second major step in Transformation Based Learning Algorithm?

* 1 point

- ☐ A. Label every word with its most likely tag.
- ☐ B. Re-tags the data according to transformation rule.
- ☒ C. Examines every possible transformation rule, and selects the one that results in the most improved tagging.
- ☐ D. None of the above



Which of the following function is not performed at every step of Earley algorithm.

* 1 point

- ☐ A. Predictor
- ☒ B. Generator
- ☐ C. Scanner
- ☐ D. Completer

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