

Question Bank (NLP) (Sem).

- 1.] Ambiguity
- 2.] Different stages of NLP
- 3.] Inflectional and Derivational morphology
- 4.] Applications of NLP
- 5.] Porter stemming Algorithm
- 6.] Edit distance
- 7.] Ngram Theory + Ngram numericals.
- 8.] MEMM
- 9.] CRF [conditional random field]
- 10.] HMM.
- 11.] WSD
- 12.] Lesk Algorithm
- 13.] Naive Bayes for WSD
- 14.] Relationship between words and their senses (Homonymy, meronymy etc.)
- 15.] Yarowsky algorithm
- 16.] Reference resolution.
- 17.] Coreference / Anaphora resolution
- 18.] Syntactic and semantic constraints on coreference.
- 19.] Hobbs Algorithm / cartwing Algorithm
- 20.] Hyperlex Algorithm
- 21.] Information retrieval
- 22.] Linguistic models $\begin{cases} \text{Neurolinguistic models.} \\ \text{Psycholinguistic models.} \end{cases}$
- 23.] Parsers
- 24.] Reference phenomena
- 25.] Summarisation $\begin{cases} \rightarrow \text{Abstractive summarization} \\ \rightarrow \text{Extractive summarization} \end{cases}$
- 26.] Wordnet, Babelnet
- 27.] POS Tagging.
- 28.] ~~CRF~~ parsing.
- 29.] Discuss difference between Information retrieval vs Information extraction.
- 30.] Predict the next word based on bigram probabilities.
- 31.] Stemming and Lemmatization
- 32.] Named Entity Recognition (NER).