

## Importance

### Module 1

- What is Natural Language Processing (NLP) ? Discuss Various Stages involved in NLP Process with a suitable example ?
- What do you mean by ambiguity in Natural Language ? Explain with a suitable example. Discuss Various ways to resolve ambiguity in NL ?
- What are the levels of knowledge Required and Used in Natural language Processing?

### Module 2

- What is morphology and Morphology Analysis ? Explain Derivational and Inflectional Morphology in detail with a suitable example ?
- What is the Role of FSA in Morphological Analysis ? Explain FST in detail.
- What is a Language Model ? Explain the use of Language Model.

### Module 3

- What is POS tagging ? What are the Possible tagset available in English NL(Natural Language).
- Discuss Various approaches/algorithms to perform POS tagging ?(Rule Based , Stochastic (HMM) , Transformation Based POS Tagging)
- What is Parsing ? Explain Top-down and Bottom-up approach of parsing with suitable example.

### Module 4

- What is semantic analysis ? Why semantic analysis is difficult? Explain various approaches to semantic analysis.
- What do you mean by word sense disambiguation (WSD)? List approaches and method to WSD and discuss any 1 in detail.

### Module 5

- Define discourse and pragmatic analysis. discuss reference resolution problem in detail.
- Write a note on syntax and semantic constraints on coreference?

### Module 6

- List various application in NLP and discuss any 2 application in detail.

Do share with your friends and help them :)