Unit 1

1. Explain generic NLP system with a diagram
2. List and explain the levels of NLP
3. Explain different types of ambiguity
4. Explain different types of knowledge required for NLP
5. Explain stages of NLP

Unit 2

1. Explain inflectional and derivational morphology
2. Difference b/w inflectional and derivational morphology
3. Explain stemming
4. Explain lemmatization
5. Define morpheme, stem and affixes (Survey of morphology of Eng. Language)
6. What are the different ways in which FST can used in NLP?
7. What are regular expressions
8. Explain Finite state Automata. What are deterministic and non-deterministic FSA?
9. Explain morphological parsing with FST
10. Explain Lexicon free FST Porter stemmer
11. Explain the N-gram model and Markov assumption

Unit 3

1. What is POS tagging? What are open and closed classes in POS tagging?
2. Explain rule based and stochastic POS tagging.
3. What are the issues in POS tagging?
4. What is sequence labelling?
5. Explain Maximum Entropy Model