Unit III

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| **S.NO** | **Question** |
| 1 | Parse the sentence “Book the flight through Houston” using CKY algorithm |
| 2 | Construct suitable example to discuss about ambiguity. |
| 3 | Identify the categories of English word classes and explain in detail |
| 4 | Describe Hidden markov model with suitable example |
| 5 | Find and Explain one tagging error in each of the following sentences that are tagged with the Penn Treebank tagset:  1. I/PRP need/VBP a/DT flight/NN from/IN Atlanta/NN  2. Does/VBZ this/DT flight/NN serve/VB dinner/NNS  3. I/PRP have/VB a/DT friend/NN living/VBG in/IN Denver/NNP  4. Can/VBP you/PRP list/VB the/DT nonstop/JJ afternoon/NN flights/NNS |
| 6 | Use the Penn Treebank tagset to tag each word in the following sentences from Damon Runyon’s short stories. You may ignore punctuation.  1.It is a nice night.  2. This crap game is over a garage in Fifty-second Street. . .  3. . . . Nobody ever takes the newspapers she sells . . . |
| 7 | Explain NER as a sequence model, which shows IO, BIO, and BIOES taggings. |
| 8 | List the Examples of type ambiguities in the use of the name Washington. |
| 9 | Write short notes on Named Entities and Named Entity Tagging. |
| 10 | Illustrate POS Tagging with suitable Examples. |
| 11 | Discuss about Penn Treebank part-of-speech tags. |
| 12 | Draw and Explain The parse tree for “I prefer a morning flight” according to grammar L0. |
| 13 | Discuss in detail about “Constituency”. |
| 14 | What is CFG?Discuss in detail |
| 15 | What is meant by Grammar Equivalence? How convert a given grammar into CNF? |