**NLP**

## **WORKSHEET – 3**

## **Solutions**

1. A) Lancaster Stemmer B) Porter Stemmer C) Snowball Stemmer
2. A) All the words can be reduced to their base form B) so that we do not end up with too many words in the vocabulary which are not adding information to the model.
3. C) Lexical Processing
4. B) Chunking
5. D) All of the above
6. D) None of the above
7. B) It uses tag of only the previous word to determine the tag of the current word
8. A) The transition probabilities refer to probabilities of transitioning from one tag to another tag
9. A) ‘a’ B) ‘ate’
10. B) POS tagging
11. A) POS tagging C) Top-Down Parsing D) HMM based POS tagging
12. A) Top-Down Parsing B) Bottom-up Parsing
13. D) All of the above
14. D) All of the above
15. C) A CFG with no terminal symbol is called Chomksy Normal Form.

D) It is used for POS tagging.

**16)** D) All of the above