**WORKSHEET-3**

**NLP (Solutions)**

**ANS 1)**

* 1. A) Lancaster Stemmer
  2. B) Porter Stemmer
  3. C) Snowball Stemmer

**ANS 2)**

* 1. A) All the words can be reduced to their base form
  2. B) so that we do not end up with too many words in the vocabulary which are not adding information to the model.

**ANS 3)**

* 1. A) Semantic Processing

**ANS 4)**

* 1. B) Chunking

**ANS 5**)

* 1. D) All of the above

**ANS 6)** D) None of the above

**ANS 7)**

* 1. B) It uses tag of only the previous word to determine the tag of the current word.

**ANS 8)**

* 1. A) The transition probabilities refer to probabilities of transitioning from one tag to another tag.

**ANS 9)**

* 1. A) ‘a’
  2. B) ‘ate’

**ANS 10)**

* 1. B) POS tagging

**ANS 11)**

* 1. A) POS tagging
  2. C) Top-Down Parsing
  3. D) HMM based POS tagging

**ANS 12)**

* 1. A) Top-Down Parsing
  2. B) Bottom-up Parsing

**ANS 13)**

* 1. D) All of the above

**ANS 14)**

* 1. D) All of the above

**ANS 15)**

* 1. C) A CFG with no terminal symbol is called Chomksy Normal Form.
  2. D) It is used for POS tagging. .

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