

# Worksheet

2

Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## NATURAL LANGUAGE PROCESSING

### Chapter-6

#### 1. State whether the following statement is True or False.

- Artificial Intelligence is the subset of NLP.
- Sentiment analysis reflects the overall positive, negative or neutral opinion by person and can be quantified as discrete.
- Chatbot is a short form of "Chat Robot", also known as conversational agents.
- Smart-bot are simple chatbots with limited functionalities.
- Semantics refers to the meaning of the word in a sentence which helps in interpreting the proper message of the complete structure of words.

#### 2. Define the following:

- Text Normalisation

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- Stemming

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- Lemmatization

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#### 3. Consider the following statements:

Statement A: All the chatbots are AI enabled.

Statement B: All the chatbots are intelligent.

Choose the correct option:

- |  |   |
|--|---|
| (i) Only Statement A is correct.       | (ii) Only Statement B is correct.       |
| (iii) Both the statements are correct. | (iv) None of the statements is correct. |