

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

B.Sc.DS - END SEMESTER EXAMINATIONS - NOV'2024

SEMESTER - V

24UDSET5B01 - Natural Language Processing

Total Duration : 1 Hrs. 30 Mins.

Total Marks : 40

Section B

Answer any **TEN** questions ($10 \times 2 = 20$ Marks)

1. What do you mean by NLP?
2. Define Hidden Markov Model.
3. What do you mean by Minimum Edit Distance?
4. What is Discriminative Model?
5. Define Stemming. What is the main objective of Stemming?
6. What do you mean by N-grams?
7. What is Regular Grammar?
8. Define Wordnet.
9. List out the NLP libraries.
10. What is tokenization in Natural Language Processing?
11. What is Parsing?
12. Define Homonymy with example.

Section C

I - Answer any **FOUR** questions ($4 \times 5 = 20$ Marks)

13. Describe the different phases of NLP.
14. Discuss the different techniques of Lemmatization.
15. Classify the different categories of Probabilistic Models.
16. Distinguish between Top-down and Bottom-up parsing techniques.
17. Determine the various aspects of Pragmatic Analysis.
18. Describe the types of Stop Words.
