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.AI - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - V
24UAIET5B01 - Natural Language Processing

Total Duration : 1 Hrs. 30 Mins.   Total Marks : 40

Section B

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

1. Give examples of any two real-world applications of NLP.

2. What is POS(Parts-Of-Speech) Tagging?

3. What do you mean by Minimum Edit Distance?

4. What is the meaning of Pragmatic Analysis in NLP?

5. List out the differences of Stemming and Lemmatization.

6. Define Probabilistic Model.

7. What is Context Free Grammar?

8. Define Hyponymy with example.

9. Differentiate between NLU and NLG.

10. What is Morphological Analysis?

11. What do you mean by Generative Model?

12. Define Word Net.

Section C

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

13. Explain the types of ambiguity in NLP.

14. Classify the types of Tokenization in NLP.

15. Prepare and relate Hidden Markov Model with an example.

16. Distinguish between Top-down and Bottom-up parsing techniques.

17. Determine the various aspects of Pragmatic Analysis.

18. In brief, explain the types of Stemming.

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