

Code No.: DS744PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV-B.TECH-I-Semester End Examinations (Regular) - November- 2023
NATURAL LANGUAGE PROCESSING
(CSD)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) Define NLP. [2M]
- b) List out Issues and Challenges for find the structure of documents? [2M]
- c) What is the advantage of parsing algorithms? [2M]
- d) Define various multilingual issues in NLP? [2M]
- e) Write the short notes on System Paradigms? [2M]
- f) What is need of Semantic Parsing? [2M]
- g) What is the structure of a predicate argument? [2M]
- h) What are representation systems in NLP? [2M]
- i) Write the short notes on discourse processing? [2M]
- j) What is the importance of reference resolution? [2M]

PART-B

(50 Marks)

2. Briefly explain morphological models for finding the structure of documents? [10M]
- OR**
3. Describe about Finding the Structure of Words and their Components? [10M]
4. What is Ambiguity Resolution? Describe Models for Ambiguity Resolution in Parsing? [10M]
- OR**
5. Explain basic Parsing Algorithms with example. [10M]
6. What is semantic interpretation? How do you Semantic Interpretation in NLP? [10M]
- OR**
7. Explain about Word Sense Systems in NLP? [10M]
8. Briefly explain Predicate-Argument Structure with example? [10M]
- OR**
9. Explain meaning representation systems in NLP? [10M]
10. Explain about N-Gram Models with suitable example? [10M]
- OR**
11. What is Language Model? Write about Language Model Adaptation in brief? [10M]
