

Code No: 155CK

R18

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year I Semester Examinations, March - 2021

NATURAL LANGUAGE PROCESSING

(Computer Science and Engineering)

Time: 3 Hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

- 1.a) List and explain the challenges of morphological models.
- b) Discuss the importance and goals of Natural Language Processing. [7+8]
- 2.a) Elaborate the Models for Ambiguity Resolution in Parsing.
- b) With the help of a neat diagram, explain the Representation of Syntactic Structure. [8+7]
3. Explain the Word Sense Systems in detail. [15]
- 4.a) Difference between predicate and Predicator.
- b) Write a short note on Meaning Representation Systems. [8+7]
- 5.a) Elaborate the Multilingual and Cross-lingual Language Modeling.
- b) Illustrate the Discourse Cohesion and Structure. [8+7]
6. Explain the performance of approaches in Structure of Documents. [15]
7. Describe the Cohesion and Reference Resolution. [15]
8. Explain the following:
 - a) Semantic Parsing with Execution
 - b) Language Model Adaptation[7+8]

---ooOoo---