

GOVERNMENT COLLEGE(AUTONOMOUS),RAJAHMUNDRY

(Accredited by NAAC "A+" Grade)

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

Semester-V

NATURAL LANGUAGE PROCESSING

MODEL QUESTION PAPER

Time: 2½Hrs.

MaxMarks:50

SECTION - I

Answer any FIVE Questions

5 X 3=15M

1. What are the challenges of NLP?
2. Write about Tokenization?
3. What are the issues in PoS tagging?
4. Write a short note on Syntactic Parsing?
5. Write about Dependency Grammar?
6. What is First-Order Logic?
7. What is lemmatization?
8. Explain about Frame net?

SECTION - II

Answer following question

5 X 7 = 35M

9. Explain about Grammar-based LM and Statistical LM?

(OR)

10. How does NLP detect and correct spelling errors?

11. Explain about Hidden Markov model?

(OR)

12. Explain about Stochastic and Transformation-based tagging?

13. What is Normal form? Explain different types of Normal forms in CFG?

(OR)

14. Explain about Dynamic Programming parsing?

15. Explain about Bootstrapping methods?

(OR)

16. Explain about Word Sense Disambiguation?

17. Explain about Discourse segmentation?

(OR)

18. Explain about Coreference Resolution?