Code No.: **3238**

FACULTY OF ENGINEERING

B.E. IV/IV Year (CSE) II Semester (Main) Examination, May/June, 2011
NATURAL LANGUAGE PROCESSING
(Elective – III)

Time : 3 Hours]   [Max. Marks : 75

*Answer **all** questions from Part A.*
*Answer any **five** questions from Part B.*

Part A – (Marks : 25)

1. Define NLP. List any two applications of NLP.   3
2. What is the difference between inflectional & derivational forms of words?   3
3. What are the element of simple sentence?   2
4. Define RTN, ATN.   2
5. What is meant by Wh-movement and extra position?   3
6. What is holdlist? What is its need? Where is it used?   3
7. What is Case Grammar?   2
8. What is logical form ? How is it helpful in semantic interpretation ?   3
9. What is lexical ambiguity? Give an example.   2
10. Identify various phrases in the following sentence.   2

"The people dissatisfied with the verdict left the courtroom."

Part B – (Marks : 50)

11. (a) Discuss about the major disciplines studying language.   5

    (b) Explain different levels of language Analysis.   5

12. Explain simple Top-down passing Algorithm. Show the search tree for the
    sentence "The Old Man Cried"   10

13. Explain Augmented Transition Networks for declarative sentences, what is the
    need of presetting Registers.   10

14. (a) Explain various types of movement in Transformational Grammar.   5

    (b) Write Lexicon of five Wh-words. Explain how questions are handled in
        CFG.   5

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15. Discuss any two strategies for semantic Interpretation.   10

16. What is look ahead in passers? Explain shift reduce passer with example.   10

17. Write short notes on :

    (a) Issues in Semantic Interpretation   3

    (b) Modifiers and non-phrases.   4

    (c) Tense and Aspect.   3