

2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
IV B.TECH II SEMESTER DEGREE EXAMINATIONS
NATURAL LANGUAGE PROCESSING
(COMPUTER SCIENCE ENGINEERING)

APRIL/MAY 2006

TIME : 3 HOUR
MARK : 80

Answer any FIVE Questions All Questions carry equal marks

1. Explain in detail, why each of the following sentences is ill formed? State what rules have been violated ?

(a) He barked the wrong tree up.

(b) she turned water in to wine

(c) Don't take many all the cookies

(d) I feel floor today

(e) They all laughed the boy

2. (a) Discuss with an example the work forms?

(b) What is a tense? List the basic tenses with example?

(c) What do you mean by progressive tenses? List all the progressive tenses with structure and example?

3. (a) What is a word? Explain & Give Example?

(b) What are its two types?

(c) Explain why Morphological Analysis?

4. Using the frame based representation define the action DRIVE that corresponds to the sense of Verb in

I drove to school today

5. (a) Explain & describe a centering based algorithm for pronoun Interpretation.

(b) List the rules used by the algorithm.

6. (a) What are the two fundamental operations to the discourse model?

(b) With the help of diagram, Explain the operation & relationships of discourse model.

7. Explain in detail the sample session with ELIZA and the Machine?

8. (a) What do you mean by Natural Language generation (NLG)?

(b) What is Canned Text? Give Examples.

(c) What is template filling? Explain?

(d) What is Aggregation?

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