R18

Time: 3 hours   Max. Marks: 75

Answer any five questions
All questions carry equal marks
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1.a)   Explain in detail about some early NLP Systems.
  b)   List and explain the issues and challenges of NLP System in detail.   [8+7]

2.a)   Discuss in detail about Complexity approaches of NLP Systems.
  b)   What are the measures used to find the performances of the NLP Methods.   [8+7]

3.a)   Consider the following training set and implement Bi-gram model to calculate the
       probability of given test sentence.
       Training Set: I am a human
       I am not a robot
       I I live in Hyderabad
       Test Sentence: I I am not
  b)   What are the Limitations in syntax parsing?   [8+7]

4.a)   Give all possible parse trees for the sentence, Stolen painting found by tree.
  b)   Explain any one Parsing Algorithm with the help of an example.   [8+7]

5.a)   State the types of references used in discourse analysis.
  b)   Describe in detail about word sense disambiguation with an example.   [8+7]

6.a)   Give example to explain the concept of predicate argument structure.
  b)   What are System paradigms in predicates? Explain.   [8+7]

7.a)   Explain Anaphora Resolution with the help of an example.
  b)   What kind of predicate structure are used for language modelling?   [8+7]

8.a)   Discuss in detail about the concept of Cohesion Structure.
  b)   List out popular lexical resources used in the processing of natural language text. [8+7]

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