Program: Master of Computer Applications

Curriculum Scheme: MCA 2 year Course

Examination: MCA <First Year> SEMESTER <II>

Course Code: MCAE251 and Course Name: Natural Language Processing

Time: 2 HRS   Max. Marks: 80

Section I - MCQS (40 Marks) – 40 Minutes

Section II – Subjective (40 Marks) – 80 Minutes

==

SECTION II

Q2. Solve any two questions out of three which carry 10 marks each respectively. -   **20 marks**

  A. Explain the term top down or bottom up parsing with the help of example. Compare Top

     down parsing with Bottom up parsing

  B. Elaborate N –Grams- N-gram language model.

  C. Explain the challenges and application of NLP in detail.

 Q3. -Solve any two questions out of three which carry 10 marks each respectively- 20 marks

  A. What is POS tagging. Explain with the help of an example.

  B. Explain Aspect based sentiment analysis in detail.

  C. Define the term Text Summarization. Explain the optimization based approach for Text

     Summarization.