

M. Tech.-III (Information Technology) (CBCS – 2015 Course) :
SUMMER - 2019
SUBJECT- ELECTIVE-I: NATURAL LANGUAGE PROCESSING &
UNDERSTANDING

Day: Friday
Date: 17/05/2019

S-2019-3491

Time: 11.00 AM TO 02.00 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SAME** Answer book.
- 4) Assume suitable data if necessary.

SECTION I

Q.1 What is natural language generation? Explain in detail. **(10)**

OR

Describe the ambiguity and uncertainty in the language.

Q.2 What is Context Free Grammar? What is its use and limitations? Explain. **(10)**

OR

What is edit distance? What is its role in machine translation? Explain.

Q.3 Explain the Chomsky Normal Form in detail. **(10)**

OR

What is Top-Down parsing? Explain in detail.

SECTION II

Q.4 Explain in detail the Chinese Word Segmentation. **(10)**

OR

What is Hidden Markov Model? What is its use? Explain.

Q.5 Explain maximum entropy classifiers in detail. **(10)**

OR

Describe the Sentence Segmentation in detail.

Q.6 What are the different techniques of machine translation? Explain in detail. **(10)**

OR

Discuss the language generation w.r.t machine translation.

* * * * *