

Total No. of Questions : 4]

SEAT No. :

PB-302

[Total No. of Pages : 2

[6270]-93

B.E. (Information Technology) (Insem)

NATURAL LANGUAGE PROCESSING

(2019 Pattern) (Semester - VIII) (414451C) (Elective - V)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) Give significance of grammar in natural language processing with example. [5]

b) Explain the significance of NLP in information retrieval? [6]

c) Explain language modeling in NLP. [4]

OR

Q2) a) Prove how language modeling plays vital role of in NLP. [5]

b) Explain the significance of Statistical Language Model in with suitable example. [6]

c) List out any 4 challenges in NLP. [4]

Q3) a) Compare Word level analysis and syntactic analysis. [6]

b) Write short note on Probabilistic Parsing. [4]

c) What are Words and Word Classes? [5]

OR

P.T.O.

- Q4)** a) Explain Part-of-Speech Tagging and its use in NLP? [6]
- b) What are challenges in syntactic analysis for Indian Languages? [4]
- c) How finite state automata is used in word level analysis? [5]

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