Seat No.

Total No. of Pages : 2

MAR_APR 2026 SUMMER EXAMINATION

1154 B.Tech. CBCS

Sub. Name: Natural Language Processing

Sub. Code: 109796/56527

Day and Date: Tuesday ,26-05-2026 **Total Marks: 70**

Time: 02:30 PM To 05:00 PM

Instructions:

Special Inst.:
1. **Question no. 6 is compulsory**
2. **Solve any four questions from Q. No. 1 to Q. No.5**
3. **Assume suitable data wherever necessary**
4. **Figures to the right indicate full marks**

Q1) Solve Following Questions **[15]**

a. Explain Smoothing techniques in Language Models. **[8]**

b. What is named Entity? Explain NER **[7]**

Q2) Solve Following Questions **[15]**

a. What is meant by a constituent in a sentence? Explain with examples. **[8]**

b. Define a Context-Free Grammar. What are its components? **[7]**

Q3) Solve Following Questions **[15]**

a. write down Applications OF NLP. **[8]**

b. How to Evaluate a Language Model? **[7]**

Q4) Solve Following Questions **[15]**

a. Explain various levels of natural language processing. **[8]**

b. Explain Ambiguities in Natural Language. **[7]**

Q5) Solve Following Questions **[15]**

a. What is POS tagging? Why it is important? **[8]**

b. Explain Parameter Estimation in NLP. **[7]**

Q6) Write short note(Any Two) **[10]**

a. Treebank

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b. Grammar Equivalence

c. lexical semantics

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -
This Question Paper may be distributed for following Subjects as common code.
सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

1] (1154) B.Tech. CBCS (56527) Natural Language Processing Part 4 SEM 8

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