Time	:: 3Hours Marks	: 80
N.B.	Attempt any Four Assume suitable data wherever necessary	
Q.1		
A.	Explain lexicon, lexeme and the different types of relations that hold between) [′]
	lexemes O O O O	10
B.	What is a language model? Write a note on the N-Gram language model.	10
02		
Q2 Δ	What do you mean by word sense disambiguation (WSD)? Discuss knowledge	۵_
11.	based WSD.	10
B.	Why is POS tagging hard? Discuss possible challenges while performing POS	20
	tagging.	10
Q3		
A.	Explain Natural Language Understanding and Natural Language Generation	10
B.	Explain regular expression in Natural language processing	10
Q4		
) A.		10
B.	Explain the generic NLP system and the ambiguities of NLP	10
05		
Q5	What is the need for propagating tout data in natural language? Fundain the	
S A	What is the need for preprocessing text data in natural language? Explain the steps of preprocessing with an example.	10
R	Explain information retrieval versus Information extraction systems	10
۵.	Explain information retrieval versus information extraction systems	10
Q6		
A.	Define discourse & pragmatic analysis. Discuss reference resolution problem	in
	detail.	10
В.	Explain derivational and inflectional morphology in detail with suitable	
	example	10