Tin	ıe:	3Hours Marks	: 80
N.B	3.	Attempt any Four Assume suitable data wherever necessary	
Q.1			
-	A.	Explain lexicon, lexeme and the different types of relations that hold between	, Y I
		lexemes	10
	B.	What is a language model? Write a note on the N-Gram language model.	10
Q2			
	A.	What do you mean by word sense disambiguation (WSD)? Discuss knowledge	<u>-</u>
		based WSD.	10
	B.	Why is POS tagging hard? Discuss possible challenges while performing POS	
		tagging.	10
Q3			y
	A.	Explain Natural Language Understanding and Natural Language Generation	10
	В.	Explain regular expression in Natural language processing	10
Q4			
	A.	What is the role of FSA in morphological analysis? Explain FST in detail	10
	В.	Explain the generic NLP system and the ambiguities of NLP	10
Q5	ν' ×		
SY	A.	What is the need for preprocessing text data in natural language? Explain the	
	_		10
	В.	Explain information retrieval versus Information extraction systems	10
Q6			
Ç .	A.	Define discourse & pragmatic analysis. Discuss reference resolution problem	in
		detail.	10
	B.	Explain derivational and inflectional morphology in detail with suitable	
		example	10