Time: 3Hrs.	[Total Marks: 80]	
N.B.:(1) Question No.1 is compulsory (2) Attempt any three question between Question	No 2 to 6	
(2) Attempt any three question between Question	110.2 10 0	^
O1 A) Write a short note on fallowing (Attornet Arm E		301
Q1. A) Write a short note on following (Attempt Any Fo	our)	20]
<ol> <li>Word Sense Disambiguation</li> <li>Applications of NLP</li> <li>Affective Lexicons</li> </ol>	O'BBOLD L'BRIDGE COST	
<ul><li>4. Compare Inflectional Morphology and Derivation</li><li>5. Differentiate between Top down and Bottom up p</li></ul>		
Q2. A) Elaborate N –Grams- N-gram language model.	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	0]
B) Define NLP. Explain the stages of NLP in detail.		0]
Q3. A) What is Text Summarization? Explain LexRank a	algorithm. [1	0]
B) Explain types of POS tagging with example.	[10]	
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Q4. A) Explain FST in detail with the help of an example	e. 🔊 🔊 [1	0]
B) Elaborate CFG with suitable example. Explain po	otential problems in CFG. [10	0]
Q5 A) What do you mean by lexical ambiguity and synta	actic ambiguity in Natural	
language? What are different ways to resolve thes	se ambiguities? [10	[[
B) Explain Dictionary based approach in details.		0]
The state of the s		
Q6 A) Explain with suitable examples following relation	nships between word meanings:	
Homonymy, Polysemy, Synonymy, Antonymy, Hy	ypernomy,	
Hyponomy, Meronomy	[3	10]
B) Explain Hidden Markov Model (HMM) in detail.	[3	10]