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Internal Assessment Test 2 – October 2018

Sub:	Natural Language Processing				Sub Code:	15CS741	Branch:	CSE			
Date:	16.10.18	Duration:	90 min's	Max Marks:	50	Sem / Sec:	VII/C		OBE		
<u>Answer any FIVE FULL Questions</u>									MARKS	CO	RBT
1 (a)	Explain Rule based tagger and Stochastic tagger in POS tagging.					[06]	CO2	L2			
(b)	Explain Hybrid tagger and unknown words in parts of speech tagging.					[04]	CO2	L2			
2 (a)	Explain the concept of constituency.					[07]	CO2	L2			
(b)	Explain top down parsing and bottom up parsing.					[03]	CO2	L2			
3.	Explain briefly about Earley parser with an algorithm and example					[10]	CO2	L3			
4(a)	Write in detail about CYK parsing algorithm with an example.					[04]	CO2	L3			
(b)	Describe the concept of probabilistic parsing.					[06]	CO2	L2			
5.	Explain in detail about Extracting Relations from text: From word sequences to dependency path.					[10]	CO3	L2			
6.	Describe the concept of Mining diagnostic text Reports by Learning to Annotate Knowledge roles.					[10]	CO3	L2			
7(a)	Explain a case study in natural language based web search.					[5]	CO3	L1			
(b)	Describe in detail about the architecture and deployment of InFact search engine.					[5]	CO3	L1			

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