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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							II/C			BE
	Answer any FIVE FULL Questions							N	IARKS	CO	RBT
1 (a)	Explain Rule ba	ased tag	ger and Sto	chastic tagger	in P	OS tagging.			[06]	CO2	L2
(b)	Explain Hybrid	tagger a	and unknov	vn words in pa	ırts o	f speech tag	gging.		[04]	CO2	L2
2 (a)	Explain the concept of constituency.							[07]	CO2	L2	
(b)	Explain top dov	wn parsi	ng and bott	om up parsing	Ţ. .				[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 co	ncept of	probabilis	tic parsing.					[06]	CO2	L2
5.	Explain in detail dependency pat		Extracting	Relations from	n tex	t: From wo	rd sequences	to	[10]	CO3	L2
6.	Describe the co- Knowledge role	-	Mining dia	agnostic text F	Repo	rts by Learn	ing to Annot	ate	[10]	CO3	L2
7(a)	Explain a case s	study in	natural lan	guage based w	eb s	earch.			[5]	CO3	L1
(b)	Describe in de engine.	etail abo	out the arc	hitecture and	dep	loyment of	InFact sear	ch	[5]	CO3	L1

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Date:	16.10.18 Duration: 90 min's Max Marks: 50	II/C			BE .		
	Answer any FIVE FULL Questions	<u>s</u>			RKS	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	s of speech tag	gging.	[04]	CO2	L2
2 (a)	Explain the concept of constituency.			[0	07]	CO2	L2
(b)	Explain top down parsing and bottom up parsing.			[0	03]	CO2	L2
3.	Explain briefly about Earley parser with an algorith	nm and examp	ole	[10]	CO2	L3
4(a)	Write in detail about CYK parsing algorithm with a	an example.		[04]	CO2	L3
(b)	Describe the concept of probabilistic parsing.]	06]	CO2	L2
5.	Explain in detail about Extracting Relations from to dependency path.	ext: From wo	rd sequences	to [10]	CO3	L2
6.	Describe the concept of Mining diagnostic text Rep Knowledge roles.	ports by Learn	ning to Annot	ate [10]	CO3	L2
7(a)	Explain a case study in natural language based web	search.		I	[5]	CO3	L1
(b)	Describe in detail about the architecture and deengine.	eployment of	InFact sear	ch	[5]		
						CO3	L1