USN					



Internal Assessment Test 1 – September 2019

Sub:	Natural Langua	ge Processing	<b>5</b>			Sub Code:	15CS741	Branch:	CSE			
Date:	14.09.19 Duration: 90 min's Max Marks: 50 Sem / Sec: VII/A,B,C							A,B,C		OBE		
		<u>A</u>	nswer any FI	VE FULL Questi	ons			MA	ARKS	СО	RBT	
1 (a)	What is NL	P? Explain	the challeng	ges and applica	atior	s of NLP.			[04]	CO1	L2	
(b)	Explain the the girl".	stages of t	ransformati	ional grammar	for	the sentence	e "The boy	hit l	06]	CO1	L2	
2 (a)	Explain var	ious gramm	ar based la	nguage models	S.				[03]	CO1	L2	
(b)	Explain in d	letail about	Paninian fr	amework and	its la	yered repre	sentation.	[	07]	CO1	L2	
3.	Explain briefly about Government and binding grammar.					[	10]	CO1	L2			
4.	Explain Lex Dinesh in th		-	ar (LFG) mode	el fo	r the senten	ce "I saw		[10]	CO1	L3	
5.	Explain the	stages of m	orphologic	al parsing usin	g FS	ST.		I	[10]	CO2	L2	
6.	Explain the	types of sta	tistical lang	guage model w	ith a	ın example.			[10]	CO1	L2	
7(a)	What is Reg	gular Expres	ssion and w	rite down the	rege	xes for ema	il address.		[4]	CO2	L1	
(b)	Describe in	detail abou	t Finite Stat	te Automata w	ith a	n example.			[6]	CO2	L1	

CI	CCI	HOD

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Date:	14.09.19 Duration: 90 min's Max Marks: 50	A,B,C		OI	BE		
	Answer any FIVE FULL Questions	<u>s</u>		MA	RKS	CO	RBT
1 (a)	What is NLP? Explain the challenges and applications of	[(	)4]	CO1	L2		
(b)	Explain the stages of transformational grammar for the	sentence "The	boy hit the girl	". [(	)6]	CO1	L2
2 (a)	Explain various grammar based language models.			[(	)3]	CO1	L2
(b)	Explain in detail about Paninian framework and its	[(	)7]	CO1	L2		
3.	Explain briefly about Government and binding gramma	[]	[0]	CO1	L2		
4.	Explain Lexical functional grammar (LFG) model to Dinesh in the Mall at night".	[	10]	CO1	L3		
5.	Explain the stages of morphological parsing using FST.	[]	[0]	CO2	L2		
6.	Explain the types of statistical language model with	[1	[0]	CO1	L2		
7(a)	What is Regular Expression and write down the regexes	[	4]	CO2	L1		
(b)	Describe in detail about Finite State Automata with an e	[	6]	900	7.1		
						CO2	L1
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