B.Tech. SEM -VII Info. Tech. 2014 Course (CBCS): SUMMER - 2019

SUBJECT-ELECTIVE-III NATURAL LANGUAGE PROCESSING

Day:	Tuesday 14/05/2019	S-2019-2831	Time: 02.30 PM Max. Marks: 60	I TO 05.30 PM
N.B:	 All questions are COMPULSORY. Figures to the right indicate FULL marks. Use of non- programmable calculator is ALLOWED. Assume suitable data if necessary. 			
Q.1	What is un interpolation	nigram, bigram and trigram mathemat and back off	cical model. Explain	(10)
		OR		
Q.1		What are challenges in natural language processing? Explain with at least three suitable examples.		
Q.2	Draw FSA that will accept names of all people who hove a first name beginning with P and last name beginning win m, any number of middle initials and the title Prof. Dr. and Ms.			(10)
		OR		
Q.2	i) Th ii) Th			
Q.3	Assign Penn part of speech tags to all words in the following sentences using the notation i) He is a tall skinny guy with a long sad and mournful voice. ii) No body ever takes the news paper she sells iii) John and Mary bought refrigerator her with three doors			(10)
		OR		
Q.3	Compare rule example.	based part of speech tagging with stochastic	c tagging with suitable	(10)
Q.4	Explain Shift-	Reduce Parsers with example.		(10)
		OR		
Q.4	Write a note o	n Probabilistic Parsing		(10)
Q.5	Explain the fu	Explain the function of translation memory in machine translation. OR		
Q.5		What are various technique to improve user queries. How it is useful in information retrieval.		
Q.6	Explain Mana	gement of linguistic data with the help of G.	ATE.	(10)
	Ĭ.	OR		
Q.6	What is ontolo	What is ontology and web ontology? Why we need it?		

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