R.V.R.&J.C. COLLEGE OF ENGINEERING, GUNTUR-522019 (AUTONOMOUS)

III/IVB.Tech., (CSE)	CS314 (CSEL02) - Information Retrieva	al Time: 45 N	Mts.	
2022-2023(5th Semester)	경기가 있는 사람들은 것이 되었다면 가는 사람들이 되었다면 하는 사람들이 되었다면 하는데			
 (a). Explain how to build an inverted index (b). write algorithms for processing Boolean queries. 			3M 3M	
2. Explain the process	s of determining vocabulary of terms	CO1	6M	
	o process wild card queries. of spelling correction.	CO1 CO1		
4. Explain the follow (a). BSBI (b). SPIMI	ing algorithms.	CO2 CO2		
5. (a). Explain diction (b). Explain postin	nary compression techniques. g compression techniques.	CO2 CO2	3M 3M	
6. (a). Explain vector (b). Explain weigh	space model for scoring. ted zone scoring.		3M 3M	
	SESSIONAL TEST#1			
(b).Difference betw (c). Differentiate los (d). What is the gam (e). Consider the do D1: "a dog wi D2: "ants eat Find term-doc	cuments II bark at a cat on a tree" the bark of a tree" cument incidence matrix e entries in the permuterm index dictionary that are	CO2 CO1 generated		
2. (a). List out the indefunctionality of	exes used in information retrieval. Explain the purpose each index. (Or)	se and CO1, CO2, CO3	6M	
(c). Consider the f	tance. Compute the edit distance between "paris" & ollowing documents. ring person happy person	"alice". CO1	2M	
	et happy run jump			

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CO3 2M

doc3 cat run pet	person h	appy						
doc4 lite smile ru								
doc5 like laugh h		run						
(i). Construct the inverted index.						CO1	2M	
(ii) Explain how th	e processin	g of the follow	ing Boole	an query				
(ii). Explain how the processing of the following Boolean query						CO1	1M	
Happy AND run AND pet (iii). How to optimize the query?						CO1	1M	
(iii). How to optimi	ze the quer	y r						
3. Differentiate						CO2	2M	
(a). Dynamic indexing & static indexing.						CO2	2M	
(b). Dictionary compression & Postings compression								
(c). Boolean queries & Phrase queries.						CO1	2M	
		(Or)				01 60	2.244	
(d). Differentiate the two classic models in information retrieval						CO1, CO3 2M		
(e). Given the query "Elvis r	music" and	the following t	erm frequ	uencies for t	he			
three documents doc1, doc2 and doc3:							3 2M	
Calculate the cosine simi	larity betwe	en the query a	and each	document in	order to	rank		
0.2176 docs Elvis	Presley	Mississippi	pop	music	life			
0·417 0·417 · doc1 3	4	0	6	0	0			
6-7833 doc2 4	0	4	0	0	3			
U-7855 4002 4					0			

5

doc3

3

(f). Explain various measures for finding relevance in vector space model.