Total No	o. of Qu	estions: 4]		(	26	SEAT No.:		
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Time : 1	Hourl					ſ	Max. Marks : 30	
	_	the candida	tes			L	Mux. Murks . 30	
1)	Answ	ver Q1 or Q	2, <i>Q3 or Q4</i> .	•				
2)	Neat	diagrams mi	ust be drawn	ı wherever n	ecessary.	500		
<i>3</i> )	Figur	es to the rig	ht side indi	cate full mar	ks.			
<i>4</i> )	Assun	ne suitable d	lata, if neces	ssary.				
		0°				3		
<b>Q1</b> ) a)	Ana	alyse the co	oncept behi	ind the sing	le pass al	gorithm and	the single link	
	_		_	- / /			vo techniques,	
							ons where each	
			ir applicati		iovide a s	scenario ioi (	each algorithm [8]	
1 \					1. 6			
b)	Diff	terentiate b	etween dat	a retrieval a	ind inform	nation retriev	al. [4]	
c)	Def	ine the foll	owing term				[3]	
	i)	Precision		Y				
							1.00	
	ii)	Recall	8.				3.5	
				OR			S	
<b>Q2</b> ) a)	Explain Conflation algorithm to generate document representative of a							
	doc	ument witl	n a proper e	example.		3	[8]	
b)	Wh	at are the	different	measures	of associ	ation? Expl	lain any three	
	matching coefficients with suitable examples. [7]							
					,6			
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					X			

*P.T.O.* 

<b>Q</b> 3)	a)	Demonstrate the application of the Boolean search technique using a soft documents and a complex Boolean query involving multiple operator (AND, OR, NOT).	
	b)	Explain the concept of Inverted index file. How it can be used	in
		Information Retrieval. [	<b>6</b> ]
	c)	List and explain the types of queries.	<b>4</b> ]
		OR OR	
<i>Q4</i> )	a)	Explain exhaustivity and specificity with respect to Index term weightin	ig. <b>4</b> ]
	b)	Compare and contrast the basic concepts, strengths, and limitations	of
		the Boolean Model, Vector Model, and Probabilistic Model. Provi-	de
		insights into when and why each model would be chosen to optimi	
		search results, considering factors like ranking accuracy and complexi-	_
	1		8]
	c)	Elaborate cluster-based retrieval in brief. [	3]
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