K0	KO KO KO KO K() K()				
Code	No: 117DX R1	3	æ			
Ro	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDER B. Tech IV Year I Semester Examinations, November/December - 2 INFORMATION RETRIEVAL SYSTEMS (Common to CSE, IT)	017) () Marks: 75				
	consists of 5 Units. Answer any one full question from each unit. Eac carries 10 marks and may have a, b, c as sub questions.		3			
Ro	RO RO RARTA RO RO	(25 Marks)				
1.a) b) c) d) e) f) g) h) i) j)	Define Precision and recall. Write a short note on probabilistic Retrieval. Write a short note on clustering. Explain briefly Thesaurus retrieval utility. Define Semantic network. Write a short note on parsing. What is query processing? Write a short note on pattern matching. Discuss about relevance ranking Write a short note on SIRE approach	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]	F			
Ro	RO RO RART-B RO RO)				
2.	Explain in detail about Probabilistic model and briefly describe Simple term weights with an example. [10]					
\\ \(\) \(Explain how query is generated using language models with a neat example () () () () () () () () () () () () ()	-)				
5.a) b)	Write a short note on hierarchal agglomerative clustering. Explain in detail how clustering technique is used for generating Thesaurus	s. [5+5]				
(6.a) (b)	Explain how parsing of single terms is performed in information retrieval. Explain in detail about K-Distance measure. OR) [5 +5],				
7.a) b)	Explain how syntactic parsing is carried out for complex phrases. Write a short note on crossing the language barrier in information retrieval.	[5+5]				
Ro	Ro Ro Ro Ro	PO				

Ro	Ro	Ro	Ro	Ro	20	Ro	
8.a) (b) 9.a) b) 10.a) b) (11.	Explain in deta Explain in deta	ote on inverted it is about duplicate the state of the st	ndex. OR mprove efficiency are elimination. zed information in the calculation. OR	y of an index corretrieval system in the latest to include the latest to include the latest to include the latest to include the latest the lat		[5+5] [5+5]	
Ro	Ro	Ro	00 0 00	Ro	Po	Ro	
Ro	Ro	RO	Ro	Ro	Ro	Ro	
Ro	Ro	Po	Ro	Ro	Ro	Ro	
Ro	Ro	Ro	RO	Ro	Ro	Ro	
Ro	Ro	Ro	Ro	Ro	Ro	Ro	