Name	Roll No ————	Section

National University of Computer and Emerging Sciences, Lahore Campus

	AL HAVE	Course:	Information Retrieval and Text Mining	Course Code:	CS567
	SE CONTRACTOR OF THE SECOND OF	Program:	MS(Computer Science)	Semester:	Fall 2018
		Duration:	20 Minutes	Total Marks:	10
	WOO!	Paper Date:	11-Oct-18	Weight	3.3%
	S. S. William	Section:	CS	Page(s):	2
	ANIMI S	Exam:	Quiz 2	Roll No:	

 $\mathbf{Q1}$) Given the three-document corpus and a stop word list below, answer the following question AFTER removing stopwords.

Document 1	information retrieval is process of index search retrieval	
Document 2	retrieval is used for evaluation of search results retrieval retrieval	
Document 3	ocument 3 evaluation in information in evaluation process search	
Query	information retrieval	
Stopwords	is, of, in, for, to	

Calculate cosine similarity between document 1 and query. Use tf.idf weight for query vector and normalized tf weight for document vector. [6 points]

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Q 2) Suppose one document h Laplace smoothing, which doc words? Why? [4 Points]	as 200 words and another document's smoothed language	cument has 10,000 words. Accomodel will give more weight to	ording to unseen query