## Nirma University

## Institute of Technology

Semester End Examination, May-2021 B. Tech(CSE), Semester-VI 2CSDE70 Natural language processing

Roll No.		Supervisor's initial with date:	
Time: 1:3	30 hours	Max. Marl	s: 40
Instruct	ions: 1. Attempt all		
		right indicate full marks.	
		sketches wherever necessary. table data wherever necessary and clearly indic	ate it.
			100 -00
Q:1	Explain porter ster	mmer algorithm with example.	[04]
Q:2	following data. <s> This is book &lt;, <s> book This is &lt;,</s></s>		n [04]
Q:3	<ol> <li>Regular expr</li> <li>Regular expr</li> <li>0's and1's.</li> <li>Regular expr</li> </ol>	ression for following definitions. ression for strong password. ression to filter binary numbers with odd number of ression to remove past participles from words. ression to recognize C programming tokens.	[08] f
Q:4	model and what ar D1 : "shipment of a	ocument collection, Use and depict the Probabilistice the returned results for query "gold silver truck" gold damaged in a fire" lver arrived in a silver truck "gold in a truck"	e [08]
Q:5	not spam.  1. sale, discount, s  2. fees, exam, stud  3. discount, free, f  4. exam, study, stud  5. free, fees, study  Test data D: fees, c  compute the most	y <b>not spam</b> fees, sale, sale <b>spam</b> ady, sale <b>not spam</b>	

Q:6 Explain direct relevance feedback and indirect relevance feedback with [08] example. Discuss Rocchio method for relevance feedback.