Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (NEW) EXAMINATION - SUMMER 2022

Subj	ect (Code:3170723 Date:14/06/20	22
•	:02	Name:Natural Language Processing :30 PM TO 05:00 PM Total Marks:	70
	1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	
Q.1		Explain NLP pipeline? Explain Markov model in brief. Explain phases of Natural Language Processing in detail.	03 04 07
Q.2	(a) (b) (c) (c)		03 04 07
Q.3	(a)	Describe skip-gram. Explain Named Entity Recognition. Describe Embedding representations for words Lexical Semantics with example.	03 04 07
Q.3	(a) (b) (c)		03 04 07
Q.4	(a) (b) (c)	What is Sentiment Mining? State different algorithms used for relation extraction. For Information Retrieval how we can use NLP? OR	03 04 07
Q.4	(a) (b) (c)	State different algorithms used for relation extraction.	03 04 07
Q.5	(a) (b) (c)	•	03 04 07
Q.5	(a) (b) (c)	Explain Problems of Machine Translation.	03 04 07
