

		<p align="center">R V College of Engineering Department of Computer Science and Engineering Improvement CIE: Question Paper</p>			
Subject : (Code)		Natural Language Processing (Group B) (IS355TBC)			Semester: 5th BE
Date :		Duration: 120 minutes		Staff: Dr. Sindhu D V	
Name :		USN :		Section :	A

Q. No	Part-A	Marks	Level	CO
1	Write a python code snippet to print most frequent words in the corpus.	2	3	1
2	Define Spell checker.	2	2	2
3	Write a python code snippet to remove the stop words from the given Corpus.	2	2	2
4	What is the purpose of re.sub(r'\s+', ' ', text) ?	2	2	3
5	List any two key challenges in building an Open-domain Question Answering system.	2	3	3
Q. No	Answer all questions	Marks	Level	CO
1	Design a text classifier using the pretrained models and finetune it for new newspaper corpus	10	3	2
2	What is Machine Translation? Explain three different approaches for machine translation in detail.	10	3	2
3	Design Aspect Based sentimental analysis engine for customer feedbacks and justify how aspect-based system is better than topic-based system.	10	2	3
4	Define Chatbot. Explain the different types of chatbots.	10	2	3
5	Explain IR Based and Knowledge Base approaches for Question Answering System.	10	2	3

Marks Distribution	Particulars		CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
	Test	Max Marks	2	24	34		2	34	24			

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks