School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem VI - R1UC616C - Natural Language Processing and Applications

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Explain the process of Parts of Speech tagging in NLP.	K1(2)
2)	Discuss the limitations of current Machine Translation systems.	K2(4)
3)	Discuss the significance of lexical semantics in NLP.	K2(6)
4)	Explain the role of Parts of Speech tagging in syntactic analysis.	K3(9)
5)	Elaborate on the challenges faced in Sentiment Mining.	K3(9)
6)	Analyze the advancements in Text Summarization techniques.	K5(10)
7)	Discuss the limitations and trade-offs of Text Summarization techniques.	K4(12)
8)	Analyze the challenges in Knowledge-Based Word Sense Disambiguation.	K5(15)
9)	Discuss the trade-offs between extractive and abstractive Text Summarization methods.	K5(15)
10)	Explain the process of building Word Embeddings using Word2Vec.	K6(18)